

MII

Users Association of America

c/o Gardy-McGrath International • 8580 Cinderbed Rd. Ste 1000 • Newington, VA 22122
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MII Playback

Monthly Newsletter of the MII Users Association of America

April/May 1992

Vol. 2, No. 1 & 2

Inside this "NAB Report" issue...

NAB Wrap-Up, Featuring info on the New "H" Series MII
Facility Spotlight-WFTS, Tampa, Florida
The MII Dude
Trading Post
Membership Listing (over 675 members strong!)
And a Whole Lot More...

The opinions expressed in this publication are those of the individuals quoted and do not necessarily reflect the position of the MII Users Association of America or its members.

MII Users Association of America
c/o GMG International Inc.
8580 Cinderbed Rd, Suite 1000
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Commentary from the Executive Director

Ah, Vegas and NAB. Its always a heady experience, and this year was no exception. The veritable plethora of new technologies and formats competing for one's attentions again permeated the show, except this year it seemed to escalate to a fever pitch. It was definitely sensory overload, but still enjoyable.

Yet this year there were some troubling signs. (Oh-oh, here he goes on his soapbox). As I perused the show, it became glaringly evident to me that many of these manufactures expect that despite the end of the go-go 80's, production facilities will take huge risks to buy new technologies that, with the rapid integration of the PC in video, may be obsolete before they're even half amortized.

What's worse, is that many of these same manufacturers will probably stop making or upgrading a unit before production companies have even finished paying for it (these guys seem to forget some of our houses are mortgaged against these products). Granted, new technology is moving at a dizzying pace, but the planned obsolescence practiced by some manufacturers is often driven by market manipulation - not new technology.

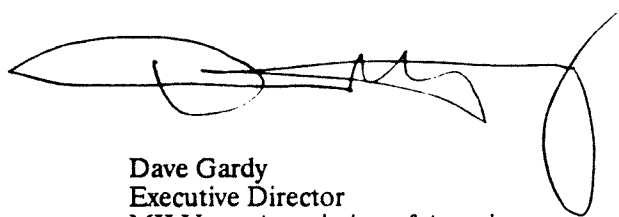
At the MII Users meeting, one observant MII User pointed out that on the entire NAB floor, no 3/4" units were being featured (new or old)... as if the manufacturers have now decided for us all that the format is officially dead. How can they ignore the fact that most of America's stock footage is stored on 3/4". Not to mention that there are many educational, non-profit and smaller installations that just don't have the funds to upgrade, who will be using 3/4" editing systems right through the 90's? Are they blind to the, burgeoning "used black market" that has developed for these units as each manufacturer stops production on a model (ie. JVC CR-850 3/4").

Industry Manufacturers-WAKE UP! This is the recession driven 90's! Your products, actions, service support and reputation are under a lot more scrutiny than they were before! Listen to your customers rather than telling them what they "need". Success will come to those manufacturers who admit their customers know more about the production business than they do!

Perhaps the most refreshing product offering at NAB was the introduction of Panasonic's MII EnHanced series of equipment. The introduction reinforced Panasonic's continued commitment to the MII format with a range of new features. (Bill Bakonyi, Panasonic Marketing Manager for MII and D-3, delivered a very enlightening address on the new MII EnHanced series, at the NAB MII Users meeting. His remarks are included in this joint April/May "NAB Report" issue.)

Most importantly, we picked up over 100 new MII Users Association members at NAB from all over the country and the world. Many were happy to find a group dedicated to their format. The new users are included in this month's membership listing. This was an unexpected benefit of the show, where our goal was to fly the MII flag, interface with our existing membership, and watch MII Man harass the "Sony Only's". (We knew we got under their skin when Sony officials photographed our MII Users booth extensively. They even asked MII Man to pose in front of the Sony booth for photographers, shocking many Sony Only's nearby. Eat your hearts out fellas .)

At the MII Users Golf Tournament, calls of "fore" and "beer here!" were the order of the day as MII Users took over Las Vegas' Desert Rose Golf Course. Paul Farren and his team walked away with the 1st place trophy again. At the MII Users meeting, in addition to speakers from Panasonic and issues discussions, the first MII User outside of NBC, Mr. Jerry Beck of Vanguard Productions in Columbus, Ohio, addressed the group. We have also included his comments in this newsletter. We will continue to include other NAB feedback that we didn't have time to feature here in subsequent issues. We're just a little overwhelmed responding to new members and recovering from all the NAB MII users activities. Ah, Vegas and NAB...Thank God its over.



Dave Gardy
Executive Director
MII Users Association of America

Editors note: You can reach the association at (800)966-1030, (703)339-8500, fax (703) 339-0764 or by mail: MII Users Association of America, c/o Gardy-McGrath Int'l Inc., 18580 Cinderbed Rd, Suite 1000, Newington, VA 22122



BUDDED BY HIS SUCCESS AT NAB '92, MII MAN DECIDES TO TAKE A LITTLE TRIP TO MONITOR USER SATISFACTION!

[ON TO CALIFORNIA]



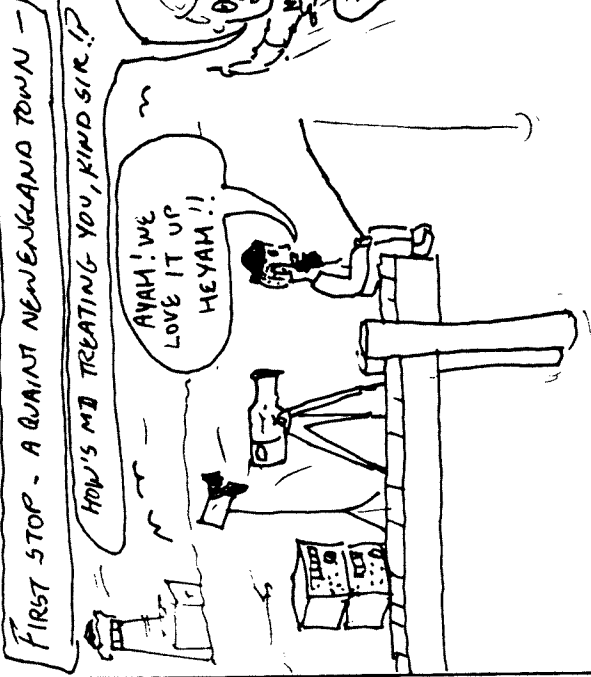
SIR, ANY COMMENT ON MII?

AWESOME, DUDE

[THE ORIENT!]



TAKE AND MAKE GOOD PICTURE!!



FIRST STOP - A QUIANT NEW ENGLAND TOWN -

HOW'S MII TREATING YOU, KIND SIR?

AWAH! WE LOVE IT UP HEYAM!!

BUT OUR HERO DOESN'T STOP THERE!! ON THROUGH THE STRATOSPHERE OUT OF THE UNIVERSE AS WE KNOW IT AND INTO THE NEXT GALAXY HE TRAVELS



YOU KNOW, I THINK I LEFT MY WALLET BACK IN VEGAS!

LOOKS LIKE HE'S HAPPY TOO. THERE YA HAVE IT. IF YOU KNOW SOMEONE WHO'S THINKING ABOUT GETTING MII - JUST HAVE 'EM TALK TO A USCAR! THEY REALLY KNOW!

Letters To The Editor

We recently received the following letter from Mr. Bill Lovin, of Marine Grafics, Chapel Hill, North Carolina. Keep those cards and letters coming!

April 25, 1992

Dear Mr. Gardy:

I wanted to drop you a note and let you folks know how much I enjoy the "MII Playback" newsletter. Your newsletter is a primary reason that we have an investment in MII equipment today.

I was familiar with MII for many years. One of our state government agencies had MII and the local CBS affiliate (WRAL) was an original user. However neither of these users spoke very highly of the format, in the beginning, and I had written MII off as a format that lacked muscle against Beta. Frankly I couldn't understand why anyone would opt for anything but a Sony product.

Sometime back, when I first saw your newsletter, I had assumed Panasonic had written MII off and was letting it die peacefully. I was, first off, surprised to see that there were as many MII production facilities as were listed in your newsletter. I didn't think, upon first reading, that many of the facilities were what I would have considered "first-line" yet still there were more than I'd expected.

The second major event in my conversion to MII came when I picked up an MII player and field deck at a fire sale. It was really a lark, I had thought perhaps I could find some use for them but wasn't really sure.

The third breakthrough was meeting an excellent sales consultant with Long Communications here in North Carolina. His name was Mark Wier and he carefully (and without hype) explained to me Panasonic's new marketing approach and allowed me to give MII a really thorough field test. I was in need for new 3/4 offline equipment anyway, so I decided to try an AU-65 and AU-63...I figured that if they didn't work for anything else I could use them for offline and dump my aging U-matics.

It did not take me long to fall in love with those machines. They were rugged, precise and made pictures that I would come to believe actually looked better than the Beta SP which I was previously wedded to.

The next step was a WV-F700 and dockable recorder which I am similarly happy with. It started paying its way one day after coming out of the box.

So...within one year we have gone from no MII to a complete A/B roll edit system (powered by a Videomedia editor) plus a F700 with dockable recorder and the option of the 90-minute field deck.

What are the advantages of this investment, specific to my situation. First, and inescapably, there is the economic MII advantage. I could make a much larger footprint in MII than in other formats and still, importantly, maintain quality. Obviously if you can't maintain quality what does price matter?

I say this even with Sony's introduction of their lower priced Beta SP line (and frankly, fully intending to by that format before seeing MII), there are definitely good things about the PVW series but when you sit a PVW deck side-by-side with an AU-65 you will see (and feel) a world of difference. I also think the picture looks better coming out of the MII machines but this is entirely subjective on my part.

I really did not think the four audio tracks were any advantage at all for my MII's...until yesterday when I shot a musical group and used all four of those tracks. I eat my words.

Another plus is "S-VHS" inputs and outputs (although these do appear on the Sony units). It will be a long time before I can afford a true component switcher but the S-outputs of the MII's do allow me to use a less expensive, but better than composite, switcher.

I am also extremely pleased with the F700...a great three-chip camera at a good price. The camera's ability to shoot under low light is superb and the low-noise (with gain...even +18) is incredible. The basic industrial lens that comes with the camera, however, is only fair and I'm sure I'll have to replace that soon.

Additionally, I see service and loaner equipment as excellent. Dealer support, in my case, has been unreal! Yet there are some downsides to all this...one is obviously being alone in the market. Yes, we can offer clients the same quality at lower prices...but only after explaining what MII is (most never heard of it) and assuring them that they will not be left with materials that will go the way of the dinosaurs.

I blame Panasonic, in part, for this. I can't help but believe that if they had approached marketing initially with the same fervor, the same incentives and with the realistic pricing approach as they are now doing...then things would be different today. I only hope they are truly committed to this for a long haul.

Secondly, if there is one technical problem, it has to be with tape. I thought Beta SP had a lot of dropouts! I have been plagued with dropouts on MII tape stock. Our editing environment is no worse than any Beta SP edit room I work in and they are not having these tape hits. Help!

MII works for me because we have start-to-finish facilities. We produce primarily environmental education, marine science, underwater, and instructional materials for children. The most we have to interface is to take our edit master, field deck and TBC to our local D-3 house to add some effects. Still, it is telling commentary that I can't convince them or any other F/X company in the area to install and interface "one" MII player in their edit room.

At any rate, this long-winded letter is simply to tell you that I appreciate your newsletter and it helped me get motivated and get started in MII. I am happy to see more and more facilities listed in your directory...I feel good to see so many new brothers and sister in arms.

I urge you to expand on the tech tips section and concentrate on helping readers with problems. Continue to act as a lobby for MII and continue to push and prod manufacturers to remain committed and innovative and to solve problems. I'd like to see facility profiles and interviews with users. I want to know what other people are doing.

Keep up the good work. I look forward to your newsletter every month!

Best wishes,

Bill Lovin

Dave Gardy, Executive Director, MII Users Association, responds:

Dear Bill,

Thank you for your kind words as we appreciate your support. Your letter is indicative of many we receive. We have yet to hear about any drop out problem attributed to the tape stock, but we'll be contacting you to investigate. I agree it is telling commentary that some F/X houses won't invest in MII. But MII is becoming the format of choice for many computer graphics houses that insist MII renderings look better. We at GMG are upgrading to a Microtime Impact and I know of other MII users in the Mid-Atlantic who have similar capability. If you are willing to use Fed-Ex, as many in the MII membership network are doing, sending out the tape to one of our "brothers and sisters" might be the answer. Let me know if this is feasible for you.

Thanks

Letters may be sent to:

*MII Users Association of America
c/o GMG International
8580 Cinderbed Rd., Suite 1000
Newington, VA 22122
Attn: Debbie
or they may be faxed to: (703) 339-0764*

News Briefs

North Wilkesboro, NC

Pumpkin Creek Video produces - WRMC: The Movie

"Wilkes Regional Medical Center" is now an 11-minute videotape.

The program is a clear visual description of the Medical Center, showing the facility and staff and defining its role and "dedication to excellence" in health care service. Scenes help laymen understand medical technology as well as attention to patients' comfort and cure. Various departments and agencies in the Medical Center's complex of health services are introduced.

The production was commissioned by WRMC in late 1991. Harold "Mule" Ferguson, of Pumpkin Creek Video was the producer/director, with Ruth Townsend as the writer/narrator. Ferguson actually began work on the program in 1987, videotaping the groundbreaking ceremony that began the \$25 million addition to Wilkes General Hospital. He followed the process through the 1991 dedication and accounts clearly for the significant improvements to medical diagnostic and treatment capability.

The video takes the viewer on a tour of the Medical Center: trauma, radiology, lithotripsy, intensive care, therapy, skilled nursing, obstetrics, Wilkes Emergency Medical Services, Home Health Car, Hospice of Wilkes, the Wellness Center. The inside workings of a major hospital and its health care components are demystified.

Ferguson spent three days roaming the passage ways of Wilkes Regional Medical Center, videotaping every aspect of operations and patient care. Many more hours were spent editing the footage together. The tape was produced primarily on MII, utilizing stock footage on 3/4". Mule Ferguson and Pumpkin Creek Video can be reached at (919)667-7717.

Orange, CA

Don Brown Productions Produces Video on Workers Compensation Fraud

Don Brown Productions has recently produced a video on Workers Compensation Fraud. Produced on MII with Don Brown as Producer, Directed by Don Haines. This new video impacts all employers throughout the USA. Spiraling worker compensation costs and abuses of the system by employees who file fraudulent worker comp claims. Employees should be trained that this activity is a criminal offense and is punishable by law. A "Must See" program for all employees. \$59.95 1-800-359-7910

Southfield, MI

92 Animation Package, Now Available on MII!

Digital Animation Corporation has unveiled its '92 Animation Packages. The '92 offering is made up of

five separate packages; There is no use fee or on-going subscriber charge for these packages, when you purchase them, you own the animations forever. For a copy of a free demo reel, contact Digital Animation Corporation at (313)354-0890 or fax (313)354-0796.

South Lake Tahoe, CA

Wilderness Productions Launches Second Channel

On May 1, 1992, Wilderness Productions K-MTN TV-8, went on-line with their second Lease Access Channel. One is located in California, the other is in Nevada. MII is their format of choice!

Gardy-McGrath Wins Two First Place Silver "Telly's" for MII Productions

Newington, VA

Gardy-McGrath International recently received two Silver "Telly's" for the production of a 30 second spot featured on Canadian Television concerning a laser rock presentation by Audio Visual Imagineering and a three minute VNR on the 11th Annual Wheelchair Games produced for the Department of Veterans Affairs. Each production was produced and post-produced on MII. The laser rock spot compliments a long history of award winning productions for Audio Visual Imagineering which uses MII recordings to submit samples for laser show awards. Mr. Scott Frederick, Laser Show Producer, Audio Visual Imagineering, Inc. comments, "Thanks in part to GMG, we captured more awards than anyone else... Countless times during the judging, the judges would ask "Why does this company's video look so much better than anyone else's?" Our black was blacker and our colors brighter than all the rest... It is always a pleasure to work with the people at GMG."

Gardy-McGrath Uses MII to Produce Training Video for INTELSAT Earth Stations Worldwide

Newington, VA

Under contract from INTELSAT headquarters in Washington, DC, Gardy-McGrath International recently completed production on a training video to assist Earth Stations in operation and maintenance fundamentals to reduce satellite system downtime. The 52 minute presentation was produced and post produced on the MII format and was dubbed in English, French and Spanish for worldwide dissemination. On site shooting at earth stations in the US and at INTELSAT headquarters was facilitated by the AU-520 90 minute recording time that allowed uninterrupted takes of long scenes with action depicting problem response scenarios.

MII Job Shop

A forum provided to the membership to publicize both employment opportunities and talent availability for MII expertise. We will publish your help wanted or position wanted ad, (anonymity protected if requested). Please send all employment opportunities, resume's, adcopy, etc. to the association.

This months offerings are:

Help Wanted

Experienced MII Editor, must be willing to relocate to the Washington, DC area, salary commensurate with experience. ref. #9202A

Experienced Amiga Graphic Artist, 2-D and 3-D Capability, familiarity with MII desired, must be willing to relocate to the Washington, DC area, salary commensurate with experience. ref. #9202B

Send resumes and sample tapes to the Association, please state which position you are interested in.

All responses will be kept in strictest confidence.

MII Trained Summer Interns Available

Question: What has 5 full MII on-line suites, 8 MII camcorders, 3 MII cuts-only suites, a digital audio workstation that lays audio back to MII, 7 Video Toasters, a Steadicam EFP and much, much more?

Answer: The Savannah College of Art and Design, one of the best equipped colleges in the USA, and certainly the largest MII teaching facility.

Obviously our students are trained on the best Panasonic equipment in the world, and, as students, they are eager to work as a summer intern in your MII production facility. Students at SCAD come from all over the 50 states and would be interested in an internship in their home state.

If you are interested in having a summer intern, call: John Drop, Video Department Chair, (912)238-2407, fax (912)238-2456
SCAD Video Department
235 Habersham Street
Savannah, GA 31401:

Additional Users Awards Available

If you were recipient of a Gold, Silver or Bronze MII Users Award and you are interested in obtaining additional awards, they may be ordered from the Association. The cost will be approximately \$30 (depending on what is engraved) plus shipping. Please call Debbie for further details (800) 966-1030.

For everyone for the Special Award of Merit certificates from the 1991 MII Users Awards, thank you for being so patient. We are working on getting those out to you as soon as possible.

MII Duplication Facilities

If you are a duplicator, or if your facility does duplication in addition to its other services, and you are an MII User. The Association needs to know about it. We are compiling a listing of MII Duplicators that we'll run regularly in the newsletter. Please contact the Association to be included in the listing.

Currently our list includes:

Action Video Productions, Greenville, SC (803)297-8865
Advanced Audio Video, Denver, CO 800-668-0406
American Magnetic Media, Denver, CO 800-USA-TAPE
AME, N.Hollywood, CA 800-336-3827
Cassette Dub Inc., Northvale, NJ (201) 767-7077
CenterCom, Milwaukee, WI (414)353-2001
Commonwealth Films, Richmond, VA (804)649-8611
Copymaster Video, Villa Park, IL (708)279-1276
ECI, Dallas, TX 800-880-9400
HAVE, Inc., Hudson, NY (518)828-2000
Global Vision, Reisterstown, MD (301)356-6715
Industrial Audio Video, Houston, TX (713)535-2375
Industrial Communications, Birmingham, AL (205)942-0132
MagneTech, Ft. Lauderdale Fl. 800-683-DUPE
Master Images Video Duplication, Inc. Northbrook, IL (708)564-0470
Media Concepts, St. Petersburg, FL (321)2122
Multi-Magnetics, Denver, CO (303)825-7768
Park Avenue Productions, Richmond, VA (804)346-3232
Preston Trucking, Preston, MD (410)673-2930
Vaughn Communications:
Minneapolis, MN (800)323-0281,
Creve Coeur, MO (314) 576-6804,
Phoenix, AZ (800)228-7609,
Milwaukee, WI (414)276-6511,
Tampa, FL (800)252-7564,
New York, NY (212)447-1038,
Portland, OR (800)772-2251,
Atlanta, GA (800)966-0859,
Irvine, CA (800)228-7609
Video Duplication, Atlanta, GA 800-235-9732
Video Duplication Services, Columbus, OH (800)289-4301
Videoland, Lacey, WA (206) 491-1332
Video Replay, Chicago, IL (312)467-0425
Video Transfer, Rockville, MD (301)881-0270
Wilderness Productions, S. Lake Tahoe, CA (800)874-7488
in CA (916)577-3008
WJZY-TV Charlotte, NC (704)398-0046

If your company isn't listed here and should be, please call, Debbie at (800)966-1030.

*If you have any recent happenings, send us your press release or fill out one of our press release forms, we'll print it in the "MII Playback" and forward the releases to the trade magazines that we deal with. Please mail or fax your information to the association. Fax (703)339-0764
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Maintenance Software Available

Brian Roos, the Senior Field Engineer for Panasonic's Broadcast Engineering and Service Division in Norcross, Georgia, has developed a computer database with step-by-step instructions for performing routine maintenance on most models of Panasonic M-II equipment.

The instructions found in this database are meant to be a "user friendly" companion to the maintenance procedures found in Panasonic's service manuals. Procedures for adjusting RF, A/C heads, tape tension, linear audio, and mechanical presets are included; as well as a flow chart illustrating the proper order in which to make these adjustments.

Although the database is not yet finished, complete information for the following models is available: The AU-400, AU-410, AU-500, AU-550, AU-60, AU-650, AU-620, and AU-65. The database has an easy-to-use interface for viewing files, and can automatically print out hard copies of each procedure.

Copies of this program are available from the Association. Just call us at (800)966-1030 and we'll send a disk to you. We appreciate the effort Brian has put into this project, and we'll provide updates as he adds information about the rest of the MII line.

MII Users Golf Tournament Winners

Here are all the winners in the MII Users Golf Tournament held at the Desert Rose Golf Course, Las Vegas, on April 13, 1992
(We'll print the full results in the next issue)



MII MAN Saves Vegas Damsel in Distress

(The following story is a true account of an incident which occurred in Las Vegas during NAB 92.)

Many of you probably noticed the presence of MII Man during the recent Las Vegas NAB 92. In addition

to making his presence known in the exhibit hall to the likes of Sony and others, MII Man helped round up a number of new members. But hear now of an incident which actually occurred at the Flamingo Hilton which left Hilton security forces and Las Vegas police in debt to our hero.

During one of the Convention nights, in a room adjacent to that being occupied by MII Man, a young woman was heard screaming as if being attacked. MII Man awoke to find the woman trying to exit the room next door but in her attempt to do so was restrained and thrown back by an assailant in her room. As the woman screamed for help, MII Man alerted hotel security which immediately stormed the room. The woman fled the room and entered MII Man's room where she was comforted by hotel security and Las Vegas police until the attacker was taken into custody. Security and Police thanked MII Man for his alert reaction. All in a day's (and night's) work for our hero.

Toaster Users...

We will be running Toaster articles in future issues of the "MII Playback". If you have any questions or specific areas you'd like to see addressed in future articles. Please send your material to the MII Users Association at the address listed below.

Association Membership

If you are not currently a member of the MII Users Association of America and are interested in joining. Please fax or mail us the following information: company name, contact persons name, mailing address, phone and fax numbers (if available), if you do or do not have MII and which machines (make & model) you have.

We may be contacted at:

MII Users Association of America
8580 Cinderbed Rd., Suite 1000
Newington, VA 22122
Attn: Debbie

Or you may fax us at (703) 339-0764, Toll free phone # (800)966-1030

The New H Series MII Introduced to the MII Users Association

The following address was delivered by Mr. Bill Bakonyi, Panasonic Marketing Manager for MII & D-3, at the MII Users meeting, held at the Palace Station Hotel in Las Vegas, April 14, 1992. The meeting was well attended with a range of organizations represented from around the country. Mr Bakonyi spoke concerning the new EnHanced series MII. What follows is Mr.Bakonyi's complete remarks, including a number of charts he used in his presentation.

(Dave Gardy)

I'd like to introduce first of all, Mr. Bill Bakonyi. Bill is the true MII man. I've seen him take apart an AU-500 in 6 minutes and then put it back together. He's an excellent knowledge base for technical information on the history of MII, for those of you who have older systems, and I know, because I'm one of those who have the AU-650 and the old original AU-500's without the fans. He's an excellent source of information, because he's been there through the whole period of time and can help us out with any questions we have. He's the marketing manager for MII and D3 - and I think you're going to be quite impressed with some of the things he has to say today. I'd like to introduce Bill Bakonyi.

(Bill Bakonyi)

Good afternoon. I've brought some handout literature for you, in the back there's some Panasonic bags, that have MII literature in there on the new products we're showing at NAB at the Convention Center. Basically it says "Introducing the EnHanced MII series". The emphasis is on the EnHanced MII series, because this is the new H product line. There are several new products I'll talk about and I'll tell you what it's all about in a few minutes.

I'm going to introduce to you the new MII EnHanced series product. Well, we had a sales meeting on Saturday for all our combined sales efforts, the direct sales group we have and the dealer sales group we have. We had them all together. With everybody, the top question was, "it's MII-H, the new H series product line, where do you get EnHanced out of H?" So, since then I've been saying enHANCED, that's sort of where H's come from.

Even the most innovative product is of practical value only to the extent that it meets an actual need. This is why Panasonic's priorities are listening to a client, then responding to his needs for performance, productivity and especially the bottom line. The introduction of the EnHanced series of MII products is the premiere of the fifth generation of MII products engineered for the serious video production professional.

The EnHanced series products continue the MII tradition of product features, conveniences and user-friendliness. That has become the standard for others to follow. Interesting to note that not so long ago, even as recently as five or six months ago, Sony, the four letter company, was telling their customers or their prospective customers "You don't want to buy that, because Panasonic is getting ready to abandon that format." Here we are, introducing the latest, the fifth generation of product, brand new. Panasonic's attitude is that every customer counts, from the largest enterprise to those purchasing a single VCR. We listen to problems large and small and welcome all forms of feedback. This feedback has fostered the EnHanced series of MII products, where EnHanced refers not only to the new products, but the support mechanism for total customer satisfaction. EnHanced support from sales through setup and training, all the way to service. All the MII products now carry an EnHanced warranty. One year parts and labor. One year parts, one year labor. And EnHanced support to back that up. Not just from Panasonic, but from our dealers as well. Each MII dealer stands ready to assist any customer with questions regarding system design, product integration into existing systems, and upgrading from S-VHS to MII right up to D-3. Equally important is the dedicated after sales support and reliable maintenance guaranteed by resources available to Panasonic's vast global service network. Each MII dealer is fully qualified to address customer requirements regarding service support. With our EnHanced support system and dealer network, and Project 2000 team of professionals to back up that network, a customer can and should feel confident with the knowledge that their investment in a state-of-the-art video production equipment is backed by the largest manufacturer of video equipment in the world.

Now, we'll start off with the EnHanced series chart. It says, simply, what the EnHanced series is and what it does for you. So I will give you a private run-through, of our new EnHanced series product line. All EnHanced series products have the following features as standard. They're not options. They all come standard with the product line. Let's look at what some of the common features are for the product line. (See Figure 1.)

continues on next page

Figure 1

All EnHanced Series MII Products have these features, standard:

- * **Time Code Reader/Generator**
- * **3 - Dimensional TBC - Full field memory**
 - Error correction range - 1 field**
 - Noiseless Still in Stop mode**
 - 1 field Drop out Compensation**
- * **Recorders have Picture-in-picture -**
 - Editing can be done on one monitor**
 - Head and Tail of edit viewed at once.**
- * **4 Audio Channels:**
 - 2 FM and 2 linear**
 - 4 Input connectors on recorders**
- * **Specifications identical to "BetaLite"**
- * **EnHanced Warranty and Support System**
- * **Technology for tomorrow:**
 - Capability to record and playback in NTSC 16:9 aspect ratio**

All the MII EnHanced series products come standard with a time-code reader generator. It's not an option anymore. Also included is a 3-Dimensional TBC, and I knew somebody was going to ask me, and they sure did, as soon as I got on the booth, "What is a 3-Dimensional TBC?" What a 3-Dimensional TBC is, it has a full field of memory. I'm sure you're all familiar with previous MII product lines, and one of the things we had as an option was super dropout compensator option. Which in effect we added a full field of memory to do dropout compensation. Where we actually memorized the previous video field. That worked really well, but we thought we needed to redesign the time base corrector, and make this a better-functioning product. So what we did was, after listening to a lot of feedback from our customers and all our friends in the industry, we changed the design and the architecture of the TBC. Now included in the time base corrector is a full field digital memory. What does that do for us. The previous MII products had a 32 horizontal line window for error correction. Fairly powerful, it was a nice TBC, it worked well. Now it has a 262 and a half line window for error correction. It is a very, very powerful TBC. In doing that digital memory, we now gain the ability to correct in 3 dimensions - horizontally, vertically, and also in time, because through this digital memory, we save the previous field, and now we can have something to compare to or draw from, to do correction. So that's the explanation of a 3-Dimensional TBC. There will be a test later.

Also by doing this, by adding a full field of digital memory we have gained another advantage, because we make machines that do not have auto tracking, or perfectly noiseless still playback, still or slow playback. In these machines, should you be in play mode and hit the stop button, you will get a noiseless still picture,. Why, because it reads out the last field of memory in the digital TBC. This can be recorded onto another deck as a still picture. And then should you decide to hit the play button, you will not see an interruption in the picture, it's muted during the servo/lockup, so the still picture is held and then it picks up the picture continuing, so its very clean. All this without the addition of an auto tracking head. And obviously, the last one is one field of dropout compensation is now available, simply by the addition of the redesign of the TBC. So that's what the 3-D EnHanced digital TBC is all about.

Recorders. I'll get into the product line in a minute, but all the recorders now in the product line have a new feature called picture-in-picture. If you own a consumer deck you may know that some of them have that feature of picture in picture where you can watch one thing and look at another picture in a little window in the display. its basically the same thing. Picture in picture simply means that in the recorder, you're going to be doing editing with this recorder, you have a playback deck hookup to it. With picture in picture, you can look at in the small window, the playback picture from the playback deck. In picture in picture you have an option of selecting one picture in picture or two pictures in picture. On the screen is the playback from the recorder. In there are two little windows and that is the playback of the playdeck, the same picture in both little windows. If you're using the two picture in picture option. As you're editing and you hit the entry point on the player, that's frozen on the left hand side of the picture. Then as you advance to find the edit out point on the player you see that picture in the other little window, so you see the head and tail end of the edit without taking your eyes off the monitor. You don't have to keep looking between two monitors to find the head and tail end of an edit.

It's all shown on one monitor, nice little trick. If you selected the option of only one picture in picture, you will see the player in the small box and the recorder on the rest of the screen. But when you go to the front panel and you switch to player, they swap. The small picture will always be the one that you're not looking at directly, not shuttling or searching on. That's if you selected one picture. If you go to two, then you'll go to the head and tail end of the edit, nice stuff.

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Four audio channels. The product still has four audio channels unlike the 4-letter company's offering which cheapened the product line by taking away two audio channels. We now have four audio channels except that now in the recorders you now have four audio inputs, each one is accessible, two FM, two linear channels. The next question, "How do your specifications stand up to Betacam and industrial Betacam?" The specifications are identical and in some cases even better. There is no difference. Head for head, dollar for dollar, we're comparable in all aspects. Price wise, we're comparable, feature wise, we're far and away beyond what Betacam and BetaLite does.

Next item on this list is the EnHanced warranty and support system. We offer a one-year parts, one-year labor manufacturer's warranty. Our competitor offers you a one-year parts, 90-day labor warranty. The dealer is responsible for buying into offering you the rest of the warranty for one year. That's the dealers responsibility, not the manufacturer's. So we offer you a one-year warranty. Our product is that reliable, we're that confident in the products ability to perform. We offer you a one-year parts and labor.

If I can digress for just a moment, I have here for your and review, one video head, upper drum assembly that came from WFTS, channel 28 in Tampa, Florida, an MII station. It says "Dear Bill, Upper Drum installed 4/1/90 taken out of service 4/1/92 with 5,250 of head life. And I have two business cards from the gentlemen that sent me this with their names and phone numbers. Please feel free to call them for a glowing testimonial."

We're gearing ourselves for the next generation of video production. The last item on that list is technology for tomorrow. All the new EnHanced MII video products have the capability of recording and playing back in NTSC 16:9 wide aspect ratio. Panasonic and much of the industry feels that within the next year or two, 16:9 NTSC wide aspect will be the hot topic and the hot consumer product to come. People like watching wide aspect ratio, it's a natural. So, it doesn't mean anything to you because there are no 16:9 cameras at the moment. Buying this product would put you in a position of being able to post in wide aspect. And quite frankly, I've used this term already a few times this week, this is free for nothing, because you're not paying extra to get this in the product. This is all standard. It's just a feature that the factory added thinking we could position ourselves for the next generation of video. This product will not be obsoleted within the next two years, guaranteed.

OK. Now we've talked about the common features of the EnHanced series products. Now let's talk about the products themselves. We're rolling at NAB this year, four new products, and the fifth one I'll talk about in a minute ... the AU-66H, which is a recorder/editor with auto tracking; the 65H, which is recorder/editor; the 63H, which is player with auto tracking; the 62H, which is just a player; and another one, affectionately referred to as AU-XXH since we don't have a model number for it yet, it is a player with a digital output. I'll talk about all these individually in a minute.

The AU-66H is a recorder/editor with auto tracking. It does have 3-Dimensional 8 BIT TBC and all the benefits I spoke about at the EnHanced series. It does do 80 to 120 % program playback, either compressed or expanded and +/- 15 % tape speed override and confidence playback during editing. You've heard the old saying about good news and bad news. Well the bad news is that I don't have delivery or pricing information on this model yet. My best guess ... probably about three or four months after the Olympics you'll start to see this product.

The AU-65H is a recorder/editor. It has a standard edit control panel with simple and convenient set up menus and included in the menus are: do you want it to record in 16:9 or do you want it to play back in 16:9. Those are menu items that you select. Inputs and outputs are composite, YC and S1 video connector. It's the same S video Y/C component connector that's on our machines now except it has the capability of outputting 16:9. And what it does, the S video connector Y/C component is physically identical to the one that's there. It's only called S1 because in chroma line, when you're playing back 16:9 aspect ratio it will output a 5 volt signal on the chroma line and the monitor recognizes that as 16:9 and make the appropriate adjustment. Component, Y, R-Y, B-Y. There is no 12 pin dub connector. NTSC encoder, and it's remoteable, as we had in the past, an RS-422A (9 pin) serial control. List price of \$15,500, delivery in May of 92. The price is \$15,500 a comparable SONY product is \$15,750, that's the Betacam PVW-2800. We're comparable in price but they aren't anywhere near the features that we're offering in these products. (See Figure 2.)

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Figure 2

RECORDER/EDITOR COMPARISON

Panasonic vs. Sony

Feature:	AU-65H	PVW-2800
Time Code	Yes	Yes
RS-422A	Yes	Yes
Encoder Remote	Yes	Yes
4 Audio Channels	Yes	No
Picture in Picture	Yes	No
Full Field Memory	Yes	No
Digital Still	Yes	No
3-Dimensional TBC	Yes	No
16:9 Aspect Ratio	Yes	No
Manufacturers Warranty	1 Year parts 1 Year labor	1 Year parts 90 days labor
Price:	\$15,500 (List)	\$15,750 (List)

The AU-63H, player only with auto tracking capability for noiseless stills, slow motion, 3-dimensional TBCs as I mentioned earlier, noiseless playback from minus 1 to plus 2. The outputs are composite NTSC, again the Y/CS1 video connector and component, 422 control, list price of \$15,000, delivery May of 92. SONY this year just introduced at NAB, a new auto tracking player for the BetaLite line, PVW-2650. Dynamic news, they've only had this for the past seven years. And once again it's MII verses Me Too. And they've introduced it at \$15,000, the same price as this one, and it can't do 16:9, doesn't have an EnHanced one-field TBC, only does two channels of audio. Let's go plunk down 15 grand for it. (See Figure 3.)

Figure 3

SLOW-MOTION SOURCE COMPARISON

Panasonic vs. Sony

Feature:	AU-63H	PVW-2650
Time Code	Yes	Yes
RS-422A	Yes	Yes
Encoder Remote	Yes	?
Preset speed playback	Yes	Yes
Slow-motion range	-1 to + 2	-1 to + 3
4 Audio Channels	Yes	No
Full Field Memory	Yes	No
Digital Still	Yes	No
3-Dimensional TBC	Yes	No
S-Video connector	Yes	Yes
Dub connector	No	Yes
16:9 Aspect Ratio	Yes	No
Manufacturers Warranty	1 Year parts 1 Year labor	1 Year parts 90 days labor
Price:	\$15,000 (List)	\$15,000 (List)

Next is the AU-62H, player only, no auto tracking, bare bones, bottom of the line player. Works fine, it has the 3-dimensional TBC, 16:9 playback free for nothing, digital freeze during stop. Even without auto tracking, the digital memory in stop will give you a digital freeze frame. Outputs again composite Y/CS1 and component, and it does do like all the products do 32x search with picture, list price of \$10,500, delivery in May. (See Figure 4.)

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Figure 4

STUDIO PLAYER COMPARISON

Panasonic vs. Sony

Feature:	AU-62H	PVW-2600
Time Code	Yes	Yes
4 Audio Channels	Yes	No
RS-422A	Yes	Yes
Menu Set-up	Yes	Yes
Full Field Memory	Yes	No
Digital Still	Yes	No
3-Dimensional TBC	Yes	No
16:9 Aspect Ratio	Yes	No
Manufacturers Warranty	1 Year parts	1 Year parts
	1 Year labor	90 days labor
Price:	\$10,500 (List)	\$10,500 (List)

Finally, we come to the mystery machine, labeled here as player with CCIR-601 output. We're referring to it as an AU-XXH. This is basically very similar to the AU-63, player with auto tracking except it now has a built in SMPTE 125M standard output, or better known as a CCIR-601 connector. For those of you not well versed in this alphabet soup, that's D-1 output or 4:2:2 output, digital. What does that buy for us? Well, for those customers and users who have a large library of MII archival material and are moving into the digital world and want to talk to D-2 or D-3, (hopefully D-3) this will output D-1, standard 4:2:2. We also sell a little box that is a standard digital rate convertor and will go from D-1 to D-3, or more accurately from 4:2:2 to 4Fsc. And with the addition of that box, you can now edit directly from MII to D-3 in the digital domain. SONY has a box called a BVW-75D for a mere \$32,000 for the same thing, wrong. The SONY machine will only record and play back or take in signals in 4:2:2, digital. But it's a Betacam recorder. So it brings it in digital, converts it to analog, puts it on the tape, plays it back from the tape in analog, and converts it back to 4:2:2 digital to play it. Doesn't make a whole lot of sense to me, but what can I tell you. For \$32,000 this is SONY's band aid because they have no acquisition system for their digital products. We believe that there is no sense plunking down your hard earned cash for just a piece of equipment that has one, and only one, use. You still get MII use out of it in the analog domain. And it also happens to have a CCIR-601 output. Price to be announced and delivery to be in June. We've got a target price for this unit, target is about \$18,500. It's not written in stone but the factory is trying to get it at that price, with delivery scheduled in July. (See figure 5.)

Figure 5

DIGITAL OUTPUT VTR

Panasonic vs. Sony

Feature:	AU-XXH	BVW-75D
Slow Motion	Yes	Yes
Analog Outputs	Yes	No
4 Audio Channels	Yes	Yes
RS-422A	Yes	Yes
Full Field Memory	Yes	No
Digital Still	Yes	No
EnHanced TBC	Yes	No
Rate Converter	Option(\$10,000)	Built-in
Price:	\$18,500 (<u>Target</u>)	\$32,000 (List)

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Moving onward, we are also introducing two new portable pieces at the show: an AU-55H, which is a portable field recorder; and a AU-45H, which is the new dockable. The features of the AU-55H are, a built in TBC, we've reduced power consumption, we've eliminated the fan that was in the AU-520. We've added a TBC with a lower power consumption of 28 watts while the previous models had about 42 watts. And when it goes into the stand-by mode, or stop mode, or power saver mode, it uses about 17 watts of power consumption. Full color framing during recording. So now we have a field recorder that does full 4-field color framing identification. So when you come into the studio for editing, your color frame identification is maintained. Y/CS-1 video output S-1 video ... Yes, this will record and play back 16:9 aspect ratio. Auto head cleaning circuit, very interesting. Auto head cleaning for time code and CTL. We went out of our way and had our engineers re-design the transport. I found it very interesting that they came up with nifty mechanical way of doing it. Very innovative. Finally, record review function by a single key. You push the button and it will back up about 3 seconds worth of playback, the last 3 seconds of video recorded. Phantom mike supplied 48 volts, audio AGC limiter is selectable on raw, and a digital hour meter. I don't have pricing or delivery information at the moment. but we'll keep you posted.

Finally, the AU-45H. The AU-45H is a new dockable. It's compact. It's about the same size as the BVW-300 dockable. It's lightweight, about 2.6 kilograms, one kilogram lighter than the AU-410. It has a record review function where it will play back luminance and CTCM indication that it has recorded chroma and luminance. It does an auto head cleaning. It has a character generator with a set up menu. And it has a 68 pin camera connector labelled S-video. What's this all about. Well, the AU-45H has an S-VHS docking profile. It's mechanically designed to look the same as an S-VHS machine. So it will physically dock to cameras that have an S-VHS docking profile. The battery choice is: an MP1; a BP402, which we sell; and an Anton Bauer Pack. In fact, if you use the Anton Bauer Pack, we work very close with them, it will indicate remaining battery time in minutes in the viewfinder. Finally, audio AGC on and off, a digital hour meter, LCD indicators for audio level, self-diagnostics, and a back tally indicator. And finally, docks to the WV-F700S version camera, the WV-F250B and also the WV-F500, which is a brand new digital processing camera we're introducing here at this show. You may well ask why doesn't it dock to any other S-VHS camera since it has an S-VHS docking profile. The answer is this is MII. We record in components Y, R-Y, B-Y. The camera has to output those three component signals. These three cameras will. These three cameras, with the exception of the WV-F500, which is brand new, are very popular. Sales are very good on these cameras and we want to give the opportunity to the people who are now producing in S-VHS to now directly produce or acquire in MII. And that's the reason for this S-VHS docking profile on this camera. We've not obsoleted their investment in a camera they can now upgrade to MII. Again, I don't have price and delivery. But one other interesting aspect is that this deck also has on the side a play back adapter spigot. And probably I'll be hearing from the factory in a few months that they will be making a field color play back adaptor for this unit. I have no further information about that at this moment.

OK, that's it for the new EnHanced MII product line. But I thought you might be interested to know that we've also introduced new accessories. I've brought them here for you and we'll quickly run through them. We're introducing a new AU-A5, which is a slow motion controller. It's got a joy stick and it will limit your range from zero to one. And if you release the catch then you can go all the way to + 2 or - 1. But it has a mechanical limit so you stay within the slow motion range. It has 999 cue points by keyboard entry, or direct key entry, up to ten. It will put a machine into hard record. It will also memorize an eight minute sequence of slow motion events, then dump that to the recorder.

AJ-IA13P, this is the interface box for the digital rate and standards format convertor, the new machine that I talked about, which is the CCIR-601 digital output machine. You add this box to the end of it and it now directly interfaces to D-3.

AU-A950 Full Production Edit Controller. If you take the BVE910 editor and load up with every possible option you can stick in it, it will still fall short of what this editor can do. We have a five standard VTR control where the SONY only does four. We do one recorder, four players and an A/B/C roll capability. SONY has one recorder and three players, A/B/C roll. Ours is expandable to ten-machine control, that's two recorders and eight players. Full color frame sequence is maintained by the edit controller, auto tag, variable memory. We also do slow motion control fill. And a 2,000 event memory. What does that mean. Well the nice thing about it is CMX edit list, both storage and management, CMX style. So you can do off-line editing on this and move on to a CMX suite and actually perform your edits in an on-line suite. 340 or 3,600 compatible the CMX models. E file is a SONY term, also E-mem is a Grass Valley term, It does E-file or E-mem control. It has full control over an audio mixer or video switcher. RS422 ports, that's standard on this product. Pre-read editing. It will do read before write editing, which is perfect for D-3. This product also brings you into the future if you're an MII customer. You can move to D-3 as well without obsoleting your edit controller. The system is expandable to ten machines as I mentioned. And the biggest feature is that if you should get lost in the middle of editing and you don't know what this key does it has on-line help. You hit a button and it will tell you what the function of this key is, what you should be doing next. Price is \$14,000 with delivery in July. (See Figure 6.)*continues on next page*

Figure 6

EDIT CONTROLLER COMPARISON

Feature:	AU-A950	BVE-910
# of VTRs	5 (4 Play-1 Rec)	4 (3 Play-1 Rec)
Expandable ?	to 10	to 6
Support 4 audio ch.	Yes	Yes
Variable Memory	Yes	Yes
Fit & Fill	Yes	Yes
Color Framing	Yes	Option
List Management	Yes-CMX	Option
Memory	2000 Events	998 Events
Pre-read control	Yes	No
Diskette Storage (3.5")	Yes-(1)	Option-(2)
Switcher I/F	Yes (RS-422)	Option
Mixer I/F	Yes (RS-422)	Option
Triggers	10 GPI's	4 GPI's
Monitor Output	Color	B/W
On-line Help	Yes	No
Price:	\$14,000 (List)	\$15,200 (List)

Last but not least, the current MII product line. We are maintaining the current MII product line: the AU-665, the AU-65, AU-63, and AU-62, the AU-520, AU-520S, the AU-410 and the AU-410S. So all the products that you are now familiar with are still maintained in our product line.

We talk about the competition, and I mentioned SONY earlier and it's PVW or BetaLite series. They introduced a BetaLite player with auto tracking, or DT as they refer to it, for \$15,000. It's exactly the same price as our 63H. But our features are far beyond what they can do. BetaLite had a price increase of 5 % across the board, except for PVS-1. That's effective as of 4/1 so the price of PVW-2800 is now \$15,750. I've checked with a couple of dealers and that is the list price. MII EnHanced products are absolutely competitive in price and feature advantage is far beyond.

Our theme this year at NAB has been "A Shared Vision". The meaning of that was our collective shared vision. We've talked to you in the past, we've met with you, we've met with other groups in the industry, we've met with broadcasters, and we've taken their input. And from this we've produced this shared vision. So if you haven't been to the show, I invite you to stop by and see what your vision has produced ... the products. I can say basically in summary "Our handshake signifies a pledge of dedicated, long-term service and our commitment to customer satisfaction as well as our pledge of support. Now is the time for your video system to be EnHanced as well. Our products are EnHanced, our support system is EnHanced, our customers expectations are EnHanced, and our customer satisfaction should also be EnHanced as well. Thanks for your attention. If you have any questions, I'll be glad to take them. If you have any technical questions regarding engineering or service, Bart will be here later. He'll talk to that. Are there any questions?

Q: Is there any way we can upgrade these units to the H series?

A: That's a good question, and it came up the other day too. Unfortunately not. This is a re-design of the TBC board, a entire rethinking of the architecture. It's not simply a matter of, for example taking a 32 line TBC and adding one field of memory for drop out compensation. That's not the way it was done. The whole TBC system was re-designed to incorporate 262 1/2 lines of error correction capability. Drop out compensation just happens to come along as a freebie because we have that memory sitting there that we can draw on. But it's all incorporated in the design. The bus architecture, what is referred to as ASIC chips, which is Application Specific Integrated Circuits, we're talking about 180 pin chips. It would take 500 man hours just to try to figure out how to modify it. Many of you may know Max Hernandez and he had an interesting analogy to this story. He said, "I own a Ford van with rear wheel drive and it's a great van, I love it, I've had it for years, best thing I've ever had. But every time it rains it's a little loose in the end and it tends to slip out so I have to put some weights in there to kind of balance it out. But it's a great van and I love it. This year Ford introduced the same van with front wheel drive. If I went and asked Ford to change my rear wheel drive van to a front wheel drive van, what do you think they'd tell me?" It's a totally different design, can't do it. Unfortunately, and I feel bad about it, but that's the answer I've got to give you. It's a totally different design, can't be done. We did have upgrades for the previous models as far as software, we had upgrades as far as adding the drop out compensation. That was the state-of-the-art. Now we've taken it a quantum leap again. And unfortunately, it's not retrofittable.

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Q: "How about just the drop out compensator?"

A: "That's available. That's available for the current product, that's available right back to the Au-650. We have DOC's available for all that stuff. Those are products that are available."

Q: "Is it available for the AU-550?"

A: "No, not the AU-550. The AU-550 was another different type of design because the TBC was not included, that was an option. The AU-550 had a stand alone type time base corrector. Which brings me to a point that I covered in the discussion of the product line. As I mentioned, there is no 12 pin dub connector on any of the product lines, in or out. What I failed to mention when I got to the 55H, which is the portable, that also does not have a 12 pin dub connector. The reason is it has a built in TBC and it will output Y, R-Y, B-Y. So you can directly edit from the AU-55H to the studio machine in the component domain. And it does have a 422 control. That's a function of the TBC. I don't know if there is a super drop out compensator for the stand alone TBC."

Q: "A lot of members see design problems and have possible solutions or ideas. Where can they send them?"

A: "For the lack of a better person to send it to, I would say send it to me because I speak to the engineering department, So if you send any comments to me I will pass them on."

Q: "Why not use some of the camera color circuits to allow for color play back with the dockable recorder?"

A: "I have to think about that, but OK. They're making a play back adapter, like I mentioned, for the AU-45H. Using the camera color circuits is not the real problem. Playing back in an AU-410, for example, you have luminance and compressed chroma, CTCM chroma. The function of the TBC is to separate those back in time and make one whole line out of each of them individually and that takes circuitry. That's not in the camera head, the separation circuitry, bringing it back to full line, that's the problem."

Q: "Is there a source for small quantities of Panasonic MII head cleaning tapes. Our dealer can only get them in case lots."

A: "I think you can get them from service."

Q: "We have a problem with the front panels crashing in the AU-62,AU-63 and AU-65. It happens often, usually when we pull up the front panels."

A: "Just off hand, it sounds like a loose connector, or maybe a broken wire in the ribbon cable. Bart can address that better. He'd know if there are more failures like that out there."

Q: "Would someone recommend a TBC which works well dubbing VHS, 8mm, 3/4" and S-VHS source tapes to MII."

A: "We don't make one anymore. Probably, a CVS or a Microtime. We really haven't investigated that, we probably should. We'll look into making a list for interformat editing correction." Audience Comment: "We've had good luck with Microtime."

Americas First Non-NBC MII User!

The following remarks were made by Mr. Jerry Beck, Vanguard Productions, Columbus, Ohio at the MII Users Meeting in Las Vegas on April 14, 1992.

(Dave Gardy)

I'd like to recognize somebody now who is officially, we can document, cause we've heard a lot of boasts on this, I used to be one but I guess I've lost the distinction, was the original first MII user outside of NBC. And he's with us today, Jerry Beck from Vanguard Productions, I'd like to ask him up to say a few words.

(Jerry Beck)

Thank you This is incredibly exciting, you have no idea. When we bought MII it was very, I guess the word would be gutsy. And I certainly never thought I'd stand in a room with a bunch of other people, or the other quote idiots who had also done it "wrong". That's all I've ever heard. It's ironic because most of those who called us idiots are now part of facilities which are closing out or for sale.

Oh well...so let me give you a little bit of history about Vanguard. This is our corporate brochure (holds up brochure) and you can't see it from where you are, but that's the outside cover and if you don't recognize this, it's an MII machine. Inside, this tells all about us-I wanted a brochure that looked high tech since we're from Columbus Ohio, which is not exactly the video mecca of America.

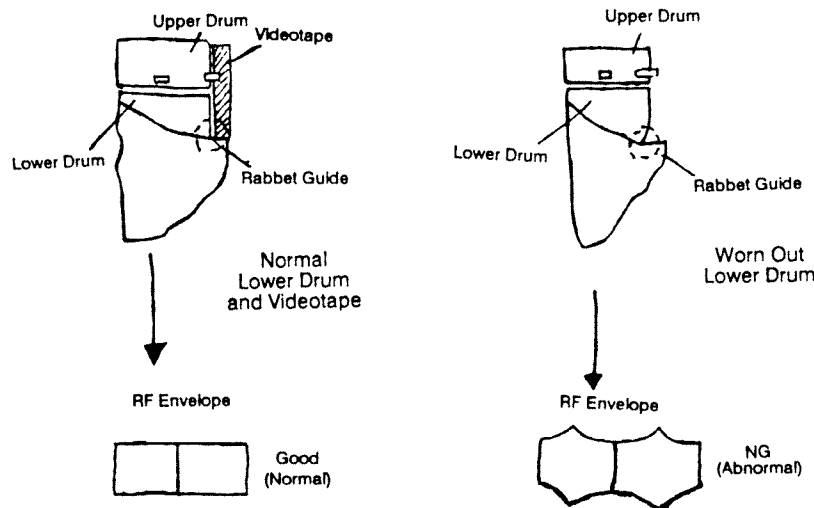
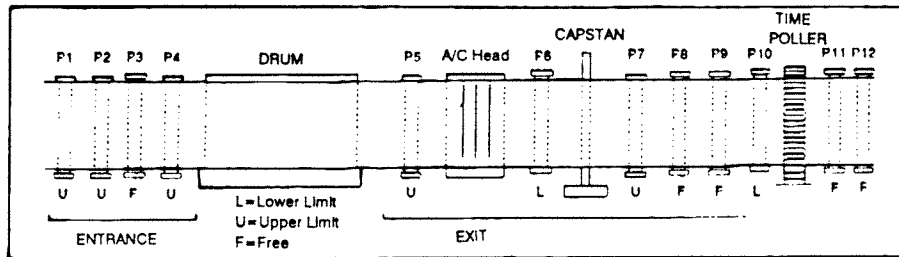
Anyway, in 1986 we went to the NAB to be insulted by Sony and look around. In those days if you didn't have call letters you were no one. I was seriously considering changing my name to WBECK just to see if somebody would talk to us. We were literally a small 3/4 inch house in the middle of nowhere. We had 2860's and 2850's, a 5850 and 5800. For those of you, well actually, no one here is probably old enough to remember those, they didn't preview - they EDITED. I'm not kidding, if you hit it and didn't like it, you did it again. So we were there to make a choice. We were either going to go 1 inch, bite the big bullet or something. Just as we were calculating the cost of new carpentry to accommodate the already expensive equipment, we noticed this thing that was approximately the same size as a 5850 positioned under an aquarium. It was called MII and I said to my brother, Jim, who understands why pictures fly through the air, "Find out about it". He did and we ended up buying MII. It was funny, a year later I was standing on a stage in Dallas or Atlanta or somewhere and Mr. Basara of Panasonic had me on one side and the Senior VP of NBC on the other. NBC bought nine million dollars, I bought nine machines. I had a lot of shrimp that year. Anyway... our company, in the last six years has quintupled; has kept growing and growing. I do have to tell you a frustrating thing about MII though. One afternoon a big truck shows up, the MII machine was here...but we had no tape. I've gambled my whole life for this machine and I have no tape for it!. I've told everyone at Panasonic, "For thirty grand, throw a roll in with every machine!". Image having this machine, but then there's is no tape anywhere in America! I take that back, NBC had the only six rolls. Well, it took about a week to get a roll and we're still using it, the same roll is still in our work roll library. MII has been very good to us, in fact we just bought more machines. We've watched Panasonic grow while they've watched us grow, unlike Sony, I'm sorry, maybe I'm not supposed to say that word,... unlike the OTHER companies. At the first NAB show I went to, RCA had the biggest booth and GE had the second biggest booth, where are they today? I remember being in Seattle shooting with an AU500, no manual and we can't get the tape out. There wasn't anyone to call in those days. But, the people at Panasonic genuinely care...and always will. A good example is by what we're hearing about the marriage between MII and D-3. It's a very exciting the future, we're going to be here for quite a while. It's been a wonderful experience for us and if you are new to MII, I congratulate you. If any of you would care to hear more about how it's helped our company grow, or have any questions, we'll be happy to tell you or help you in any way we can. There's Jim, our engineer and Rich Kiempay, our editor. (Pointing to them) Thank you, it's not only exciting to be an MII User, but also to be part of the MII Users group. Now I'm vindicated.

Technical Corner with The MII Dude

During the past month, we have received some MII questions from users, they have been passed along to The MII Dude for his response.

With regard to the AU 620, AU 630, AU 640, AU 650 is there a pattern of posts in the tape path which might fatigue, just enough to cause slight mis-tracking?

Tape Guide Posts are normal wear items that should be replaced when they show signs of wear. Usually when the guides are getting worn, the tape interchange will not change drastically, but instead the tape itself is more susceptible to damage. Tape interchange (tracking) changes when either the lower drum wears, or the tape guide heights are changed. The Illustrations below show the tape path and guide limits (upper, lower, etc.)



The two illustrations of the lower drums show the role of the lower (rabbit) guide in the tape path. Particular attention should be paid to the shape of the rabbit guide a new lower drum's rabbit has a 45° angle to it, but as it wears out, that 45° starts to cut in on itself, as shown in the "worn out lower drum" figure. A last tip on changing tape guide sleeves and/or flanges. If only the sleeve needs changing, do not loosen the hex set screw in the upper flange of the post guide, only remove the flange, replace the sleeve, then replace the original flange and tighten it down. The tape interchange shouldn't become mis-adjusted. If both flange and sleeve need replacement, do so, but only one post at a time, make sure you properly readjust the tape path (RF Envelope) before moving on to another tape guide.

We have AU 650's, I understand that they don't have color framing, is there anything we can do to add color framing to them?

The Panasonic AU 650 and 620 are non-color framing units. There is nothing that can be done to retro fit these units to color frame. There is something that can be done to help in editing. The easiest is to always edit in the component (Y, R-Y, B-Y) mode, because there is no color framing sequence in component (using the CTCM Dub cable). If composite editing is desired, whenever a horizontal shift occurs, trim the edit in point plus or minus 1 frame. The reason this is done is that it takes 4 fields (in NTSC) for the color subcarrier to go thru it's 360° phase sequence. When you're editing and a horizontal shift occurs, this means that the incoming video is 180° out of phase to the video sequence on tape. So by changing the edit point by 1 frame, (1 frame = 2 fields, 90° per field = 180° per frame), the framing sequence will be matched resulting in no shift.

If you have any questions or comments for the MII Dude, please send them to us at: MII Users Association of America, c/o GMG International, 8580 Cinderbed Rd., Suite 1000, Newington, VA 22122 Attn: MII Dude. Or fax them to: (703) 339-0764.

WFTS TV, TAMPA BAY'S FIRST MII POST FACILITY

By Luis V. Romero, Production Manager
WFTS Fox 28, Tampa, Florida

Sometimes, pre-conceived notions of how something is supposed to be color your thinking. Most of us have been guilty of this kind of prejudice at one time or another. Sometimes, prejudice can cost you money. Such was the case for me with MII... until I used it for awhile!

When I arrived at WFTS in 1986, one of my first tasks was the acquisition of advanced post production facilities for the station. We had determined that our goal was complete production and postproduction independence from outside facilities.

Originally, I had decided on an interformat solution using BetacamSP acquisition and playback to 1" C. Betacam had worked for me before. It looked good. SP promised to be better. I had not even heard of MII until Scripps Howard's Corporate Director of Engineering, Warren Happel, suggested I consider the format.

In a previous facility, I had the "pleasure" of dealing with something called "Hawkeye". For those of you who may not remember, this was Matsushita's first foray into 1/2 component recording.

The facility I worked for purchased 3 RCA Hawkeye studio machines and a camcorder just about the time that RCA was folding, and attempted to interface them to a Harris EPIC editor. All 3 machines had different level control ROMS, quirky behavior, tremendous gyro errors and a myriad of other weird problems when working on their own, not to mention the fun we had using them under editor control. This predisposed me to dislike anything called "M". MI was bad enough in my case.

The first examples of MII I saw were rough. The panels were sloppy. They did horrible things to multiburst signals. But the price seemed right, and I was "encouraged" to give them a try. So in early 1987, WFTS was first in this market with MII, receiving a shipment of 1 AU-500 and 4 AU-650's.

Since then, we have had some problems, but I have been gradually convinced that this time, Matsushita means business. The product is good from a value and performance standpoint. It isn't perfect, but once you learn the limitations of the format, you can actually use the limitations to your advantage.

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WFTS Edit Suite Facility (on line May 10, 1988)

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WFTS operates a total of 16 MII transports of various types throughout our facility in five separate applications. All local recording and playback is done on MII for promotion, commercial production, satellite distribution, Kid's Club vignettes, our live weekly sports program, public affairs and any local special programs.

Post Production is done in the Edit Suite facility, using 3 AU-650's and 1 AU-62. A Sony BVU-800 3/4SP VTR is also in the machine complement to keep us compatible with older and out of house material. This unit is TBC'd through a Digital DPS-275 Framestore/Synchronizer.

These 5 VTR's, permanently assigned for production use, reside within our Edit Suite which was designed specifically for efficient post production from operational and ergonomic standpoints. They are controlled by a Grass Valley Group Model 41Em editor and mixed in composite through a Grass Valley Group model 200-2 switcher. We mix audio with an ADM Post Pro 12, use an Abekas A-53D DVE with WARP and Key Channel and have a Leitch DSF-3100 Still File dual channel ESS. At this year's NAB, we purchased an Abekas A-72 Advanced CG to replace our Quanta QCG-500 that we simply outgrew!

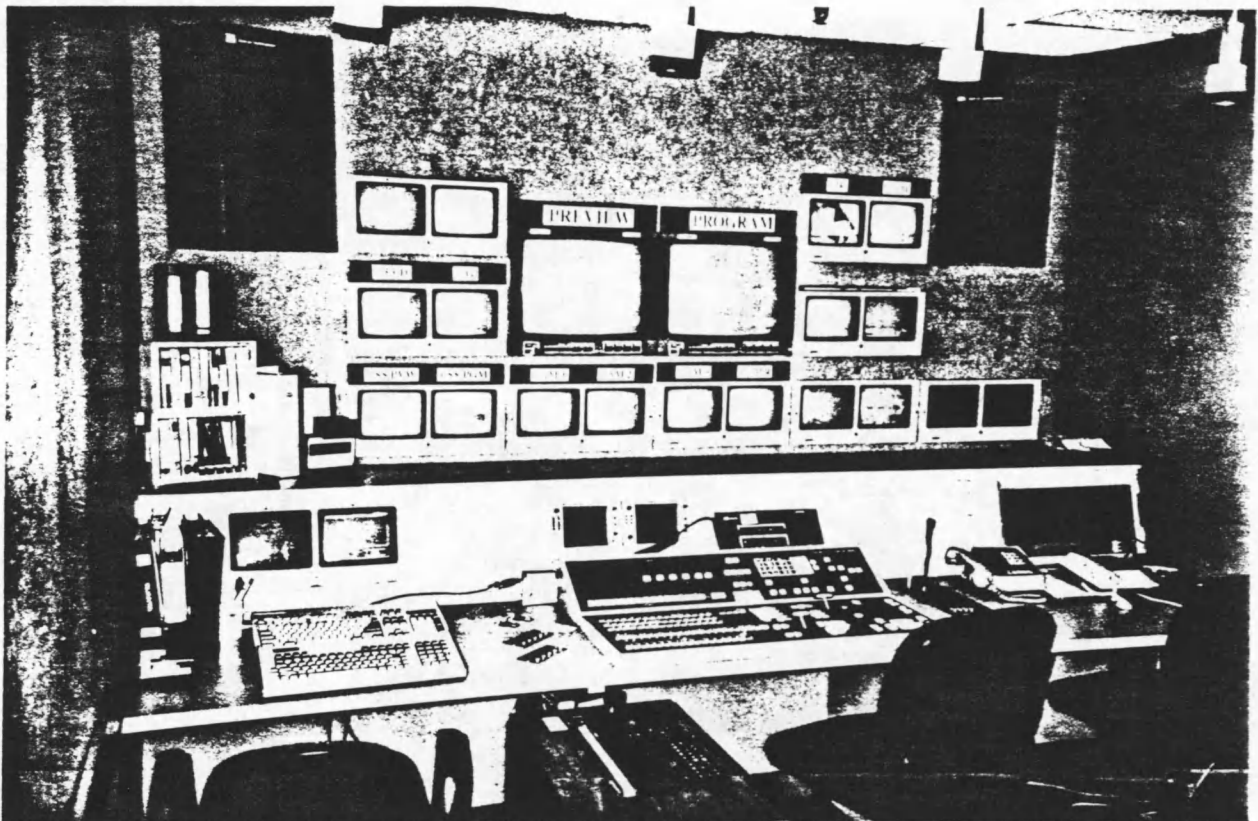
This room is complemented by our Production Control Room. Sharing DVE, ESS and CG facilities with the Edit Suite, PCR consists of a Grass Valley Group Model 200-1 switcher and a Gotham Quantum

16 mono mixer. This room was configured for live, multi-camera production using either the Edit Suite's VTR's or by accessing any combination of VTRs from Master Control through our GVG 400 router. We use 3 BTS LDK-90 FT CCD cameras in studio configuration with an additional LDK-90 available in EFP configuration inside our 45' by 40' studio.

Fox 28's Master Control has a total of 8 MII transports available. 2 AU-620's and 1 AU-62 are delegated for on air playback. The 620's are ideal for this role by the virtue of having a "BurstKill" switch used when airing monochrome programs like the Andy Griffith show. MCR also has 4 AU-650's and 1 AU-65. These transports are set up as a Satellite Downlink/Cuts Only Component edit area with pairs of 650's. The 65 can be controlled by our ArtStar 3D Plus Graphics system, rendering 3-D animation to tape under RS-422 control when needed. MCR also operates a Sony VO-9800 3/4" SP and 3 Ampex VPR-6 1" C VTR's.

The Fox 28 Film/Tape Department operates an AU-65 and an AU-63 in Cuts only configuration. They are complemented by a BVU-8003/4 Umatic and an Ampex VPR-6 1" C VTR. These transports are mixed using a Panasonic WV-4600C switcher and Ramsa audio board. Film/Tape has inherited our Edit Suite's Quanta QCG-500, making this a small, self-contained post room.

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EFP at WFTS consists of two packages. Package #1 is a BTS LDK-90 camera mated to an AU-400 recorder. This system has provided excellent quality pictures, although I wouldn't recommend it for News use due to weight. The camera, undocked, serves as our 4th studio camera mounted on a Stanton Jimmy Jib arm in EFP configuration.

Package #2 is one of our studio LDK-90's in EFP configuration mated via umbilical to an AU-500 field recorder. This system allows us longer record times than the Camcorder package and enables us to simultaneously field 2 crews when required.

The use of EFP style studio cameras allow more cost effective production operations by having multiple role equipment. It also allows us the flexibility of instantly having a handheld camera in the studio by removing any studio camera from its pedestal and attaching an EFP viewfinder.

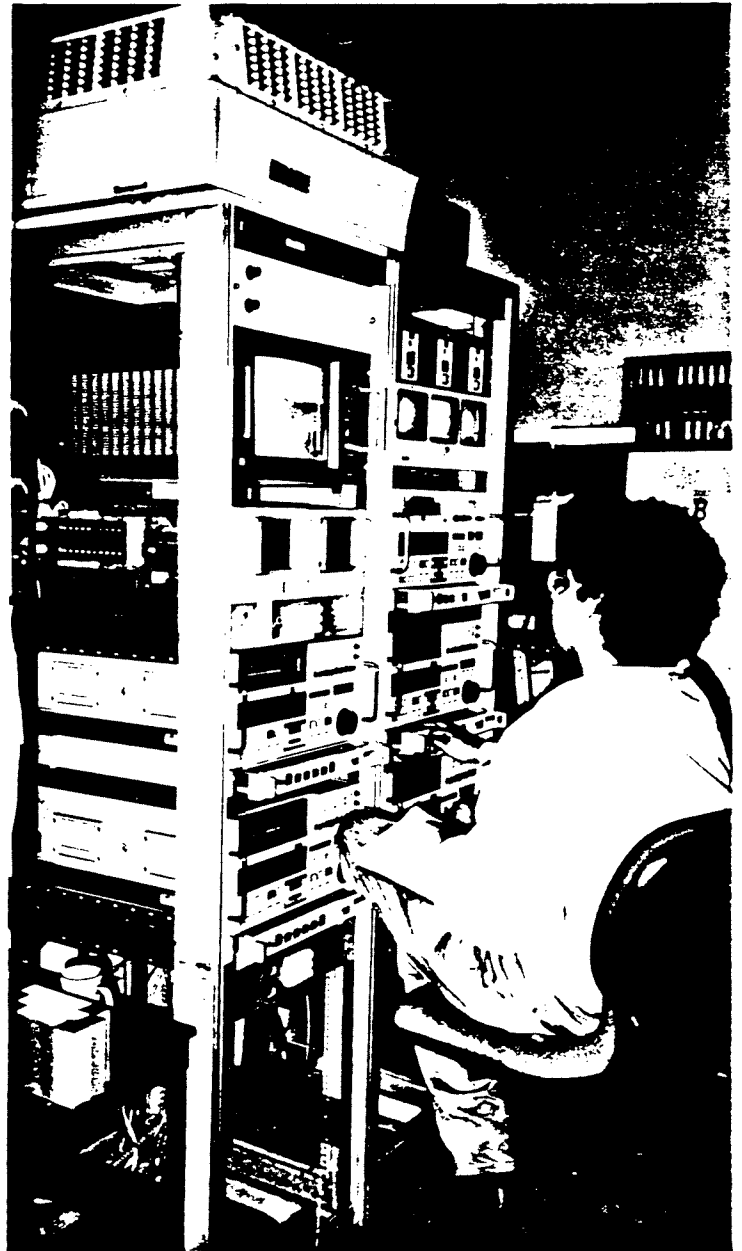
As of late 1989, WFTS TV has been capable of doing all needed production and post production in house, in our own facility, with our own equipment and staff. We have been very pleased with the quality and performance of the MII transports of various types in use at the station in fulfilling our needs.

Fox 28 has won many local and regional awards, as well as 4 1991 MII User awards with careful, creative use of MII. By gang rolling transports in our post room, multi-layer effects are possible. One must constantly keep total generations in mind. The format's ability to faithfully reproduce surprisingly clean color signals down to 6 composite passes is excellent. Unfortunately, high frequency luminance signals and edge rise times do not fare as well. Knowing this, we tend to favor a soft, film look with our graphics, thus turning a disadvantage into an advantage.

I have personally taken material down 6 generations (9 layers with 4 VTRS in synch) with usable results. If you keep White/Black contrasts to a minimum and hard key the edges through a good, tight luminance keyer to reshape them, it works ok. MII ain't D-3... But you CAN fake it.

After having worked with MII for 5 years, I have lost my fear of the M-Word. It works in our application and makes us look good every day. There's no substitute for good facilities staffed with talented creative people. Through all it's inherent limitations, also shared to a greater extent by the S-Word format, we find MII a good, cost effective format for 100% of the local production made here at WFTS, Fox 28, complementing the abilities of our talented staff.

Now, if only we could get rid of tape-based systems altogether...But that's another article, and a whole lot more money!



WFTS Master Control
Satellite Downlink/Cuts Only
Component Editing

Monthly Survey Results

1. Do you feel there is a need for MII training videos on such service subjects as:

Head Cleaning	81.08% - Yes	18.92% - No
Head Replacement	67.57% - Yes	32.43% - No
Alignment	81.08% - Yes	18.92% - No
Preventive Maintenance	91.89% - Yes	8.11% - No
Trouble shooting	94.59% - Yes	5.41% - No

Comments: General Tape on System Phasing? * The Head Cleaning tape should include Transport Cleaning, and for troubleshooting, charts can be as effective. * Head Replacement might be too complex for many facilities, we send out for that level of repair. * Tape on System Configurations? * A tape on all of the most common complaints. * Tape on Tension, guide posts adjustments & alignments. * There should be one preventive maintenance tape. * Tape on machine operation. * Make the tapes easy enough for the non-technical person to benefit from. * It would be helpful to view a preview prior to purchase, to make sure it is detailed enough. Also, if a tape on complete overhaul (with hints and tips of all little things to fix) was available. * A series like this would be great. * Sometimes it is not feasible to send personnel to MII school and these tapes would save everyone time including Panasonic. * "Light" technical duties OK, anything deeper than that should be done by factory trained service technicians. * I feel the manual and Tech Bulletins adequately address cleaning and preventive maintenance. * Any or all training tapes would be GREAT!

2. If a series of such videos were produced, (for instance 10 one-hour segments) and considering that economic feasibility would be a major in determining if tapes can be produced cost effectively, what would you be willing to pay for VHS copies of the 10 tape set?

5.41% - \$0 40.54% - \$100 27.03% - \$500 2.70% - \$1,000 2.70% - \$2,500 21.62% - Other

Comments: We probably wouldn't buy the whole set-would be willing to pay \$50.00 for individual 30-min. tapes. * Might be willing to pay more per tape, if tapes were available separately. * Would be far more likely to buy individual subject tapes at perhaps \$50-\$100 each. * If tapes aren't a set, I can buy the ones I need. * Of course \$0 would be nice! * I would like to see this provided as a service at reduced cost! * How about \$200.00 or \$20.00 per tape? * Panasonic should cover all costs as they would benefit the most. * Should have a one hour Operation and Basic Maintenance tape for anybody, and it should be on MII! * \$25.00 to \$50.00 price range. * \$0 is best, as low as possible \$100 or \$200. * \$2,500.00 if it came with a small repair or set-up kit! * \$50.00 or cost of duplication. * These tapes should be sent with equipment, just like Grass Valley does. * \$100.00 - \$250.00 per set may be an acceptable cost. * \$20.00/tape (\$200.00/Set) Some type of "rental/copy" fee. * We can't afford to send people to school because of cost - so if tape cost is too high - its a no go also. * Should be staged in complexity.

3. Do you feel effective distribution of those videos to MII users would result in more MII maintenance being performed at MII facilities and hence less of a need to send out the units to the Panasonic approved service centers?

81.08% - Yes 13.51% - No 5.41% - No Opinion

Comments: It's expensive and time consuming to send units out, Panasonic service now has a \$220.00 minimum. * My experience with MII service centers is that they really don't want to mess with us--service is a marketing idea. I would think that Panasonic would love this, provided its for general maintenance and preventative maintenance--not part replacement that would cross the lines of warranty. * A better option may be regional training classes at reduced pricing. * Perhaps more preventive maintenance would be done, but not repairs. * A very needed set of tapes! * A good tape on preventive maintenance will raise awareness and cut down on wasting time by sending machines to New Jersey, etc. * Since Panasonic MII is not a widespread format here in Florida, I wish Panasonic would create a position for a travelling repair technician. I don't know any competent tech, therefore maintenance is never performed on my 2- AU 650's and AU 500. * It would cut down on phone calls. * If tape goes into PLENTY OF DETAIL--not leaving us with more questions than answers. * We do all our own maintenance in house, the tapes would be a good training tool for new maint. tech's. * This would help in the case of simple problems. * Down time and shipping cost are negative, for the continued success of MII the machines need to have a great reputation for dependability. * But only where qualified engineering technicians are employed. * Cleaning can be done and low level maint. in the field, but major repair will still be done at service center.

MII Trading Post

Panasonic AU-650, Studio recorder/editor, with auto tracking, TBC, TC for slow motion and still, low hours, excellent condition. Best Offer. Contact Tom Kramer (206) 322-6555 8:30-5 PST (WA)

Panasonic AU-650, MII Studio recorder/editor, Low hours all updates and documentation included (2 available) call for price and specifics. Unitel Video, Mark Miller (213)878-5800, 9:00am to 6:00 pm Mon-Fri PST (CA).

Panasonic AU-660, Studio recorder/editor, Excellent Condition. Complete maintenance history available. 90 day equipment warranty. Asking \$12,500.00, leave message and phone number (301)797-1573. (MD)

Panasonic AU-63, MII Studio Player w/AT, Demo, \$8,500.00. Full Warranty. Contact Bill Frazier (412)243-1300 (PA)

Panasonic AU-63, MII Studio Player, Demo, \$10,000.00, **Panasonic AU-65, MII Studio recorder/editor, Demo**, \$10,000.00, **Panasonic AU-60, MII Studio Low hours with time code**, \$10,000.00. Contact Jack Miller at (914) 592-4151 (NY)

Panasonic AU-65, Studio Recorder/Editor, \$11,200.00. **Panasonic AU-520, Portable MII** \$9,200.00. **Panasonic AU-63, MII Player w/ AT**, \$11,600.00. **Panasonic AU-410, MII Camera Recorder**, \$7,600.00. **Panasonic AU-S400, VTR Adaptor for the AU-410 Camera Recorder**, \$2,200.00. **Panasonic AU-B110, AC Adaptor**, \$630.00. Demo equipment, all equipment plus shipping. For further information, contact Carter Kaufmann, Professional Products (301) 657-2141 (MD)

Panasonic AU-500, MII Portable, less than 100 hours on the heads \$9,000.00. We are selling our entire inventory of video equipment. All items-excellent condition. Prices are negotiable, many items, used only once. Other equipment available; Sony M-7 camera, \$9,500.00, AG-7400 SVHS recorder \$1,600.00. Accessories are also available, space limitations prevent listing all here. For further information please contact William L. Gosa, Jr. O/(612)736-4815, H/(612)698-3379 (MN)

JVC KRM 820, MII Editor w/TC. Less than 150 hours-virtually new. Complete with A/B roll edit controller. Will control Sony type 7 or type 9's, as well as Panasonic & JVC MII equipment. Save almost \$5,000.00 - price is \$7,500.00. With a JVC BRS 611 and SAF 911 (parallel to serial converter, TC reader/generator) only \$10,500.00 This combination makes an excellent complete system - just add monitors. Call Mike Koury at (303) 434-5535 (CO)

JVC KRM 800U MII Editor. 275 hours - perfect condition...\$4,500.00 We accept Visa/MC/AMEX. Contact Wilderness Productions K-MTN TV8, 1-800-874-7488. (CA)

JVC KRM 800U MII Editor; JVC SA-T310U Component TBC; Evertz Emulator II Parallel to Serial Interface w/LTC SMPTE. Package Price \$6,500.00. Contact Terry Grant (612)870-0028 (MN)

JVC KRM 800U MII Recorder-Player. Less than 400 hours...\$4,000.00, **JVC KY 320 Camera w/Fujinon, 16 x 9.5 Lens**, includes portabrace, power supply, batteries, shipper case and CCU...\$3,500.00. Contact Jordan Gershon, Majec Productions, (913)894-1188 (KS)

JVC KRM 800U MII Recorder-Player. 200 hours - perfect condition...\$4,700.00 or Best Offer. For further information, call Tom (412) 733-4776, (PA)

JVC KRM800, MII Editor, Low hours, \$7,000.00 or best offer. Please contact Dan O'Connell for further information. (813)755-9783 (FL)

JVC KRM260 (91) Dockable MII Deck, attached to a **JVC KY-25 (91) Camera**. Deck has less than 10 hours, Camera less than 90 hours. Lots of accessories (batteries, Portabrace cover, Adaptors). Please contact Mitch Schaffer, Innisbrook Resort (813)942-2000 ext. 5290 (FL)

Panasonic AG 7500A SVHS Editing Decks. Special Demo Units, in box, FULL Warranty. \$3,500.00 each, or both for \$6,800.00. New edit controller also available \$1,400.00. MX10 Digital Special Effects Generator w/Title \$900.00. Please contact Tim Dench, (502)239-0229 (KY)

Panasonic AU-B110, 10 amp/12v power supply. Brand new, never removed from factory sealed box. From Midwest Comm. liquidation sale. \$790.00 retail, will sell for **\$300.00**. Contact Russ Beckner, rdb productions, inc. (513) 422-9552 (OH)

New MII Tape-Magnetech is offering MII Videotape for sale, all lengths, in stock, Contact Michael Pardo at MagneTech (305) 791-6711. (FL)

If you have equipment you would like included in the next Trading Post, please contact us in writing, either by fax or mail at MII Users Association of America, c/o GMG International Inc., 8580 Cinderbed Rd. Suite 1000, Newington, VA 22122, Attn: Debbie. Fax (703) 339-0764.

Please contact us when the equipment is sold.

MII Users Association of America Membership Listing

Alabama

AUVID Productions
Int'l Inc.
Paul D. Kennamer, Sr.
PO Box 1933
Huntsville, AL 35807
(205) 534-4666
Have MII

AUVID Productions
Int'l Inc.
Nancy Kabajain
PO Box 1933
Huntsville, AL 35807
(205) 534-4666
Have MII

DCH Regional Medical
Center
Larry Parker
809 University Blvd E.
Tuscaloosa, AL 35401
(205) 759-7332
Have MII

Digital Media Solutions
Doug Butler
3626 Clairmont Ave
Birmingham, AL 35222
(205) 323-5994
No MII

Industrial
Communications Inc
Mike Cornelius
PO Box 190201
Birmingham, AL 35219
Have MII

Industrial
Communications Inc.
Britton Neal
232 Oxmore Cir
Birmingham, AL 35209
Have MII

Arizona

COVID
Imre A. Csaszar
1725 W. 17th St.
Tempe, AZ 85251
No MII

Del Sol Productions
Ruben Ruiz
19 W. Ventura
Tucson, AZ 85705
(602) 622-1515
Have MII

KTVW
Bruce Sherman
3019 E Southern Ave
Phoenix, AZ 85040
(602) 243-3333
Have MII

KVOA-TV
Randall Meston
209 W. Elm St.
Tucson, AZ 85705
(602) 792-2270
Have MII

Studio Optix
Christopher Hutson
103 W Alameria
Phoenix, AZ 85003
(602) 254-4668
Have MII

Troxell
James Chalifoux
4830 S. 38 St.
Phoenix, AZ 85040
(800) 352-7912
Dealer

Vaughn Duplication
Services
Jim Lawson
3802 East University
Drive, Suite 2
Phoenix, AZ 85034
(800) 228-7609
Have MII

Arkansas

5 Star Video
Randy McFarland
1112 Garrison Ave
Ft Smith, AR 72901
(501) 783-7751
Have MII

Arkansas Farm Bureau
Keith Garrison
PO Box 31
Little Rock, AR 72203-31
(501) 228-1488
No MII

KHOG
Marvin Macedo
PO Box 1029
Fayetteville, AR 72701
(501) 521-1010
Have MII

KTHV
Chuck Weaver
720 Izard St
Little Rock, AR 72209
Have MII

Sigma Broadcasting
Don Vest
PO Box 4150
Ft Smith, AR 72914
(501) 783-4040
Have MII

Video Pro Productions
T Hall
PO Box 1694
Pine Bluff, AR 71613
No MII

California

ADV Tech
Thomas Huckle
8057 Crossbridge Rd
Dublin, CA 94568
(415) 833-6031
Have MII

AME-Bill Messersmith
1133 N. Hollywood Way
Burbank, CA 91505
(818) 841-7440

AME Inc.
Larry Cohen
5510 Cleon Ave.
N.Hollywood, CA 91601
(800) 336-3827
Have MII

AME Inc.
Chip Viering
5510 Cleon Ave.
N.Hollywood, CA 91601
(800) 336-3827
Have MII

Assoc. Elec.
Gene Husting
3585 Cadillac Ave
Costa Mesa, CA 92626
(714) 850 9342
Have MII

Audio Lab Electronics
Ron Stofan
5831 Rosebud Ln
Bldg C
Sacramento, CA 95841
No MII

Audio Visual
Richard Farnham
2300 Gladwick
Rancho Dominguez, CA 90220
No MII

Bay Cable Advertising
Jim McGuire
20902 Cabot Blvd
Hayward, CA 94545
No MII

BCS
Wendy Sahyoun
4525 Valerio St.
Burbank, CA 91505
(818) 845-7000
Supplier

Cal Poly San Luis
Obispo
Peter Woodworth
Audio Visual Services
Dept.
San Luis Obispo, CA 93407
(805) 756-7197
Have MII

Capitol Productions
Steven Schiavone
9773 Beachwood Dr.
Orangevale, CA 95662
No MII

Compact Video Group,
Inc.
John Donlon
2813 Alameda Ave
Burbank, CA 91505
(818) 840-7000
Have MII

C. E. Heath Co
Cathy Baker
4 Embarcadero Ctr,
Suite 2050
San Francisco, CA 94111
(415) 956-5834
Have MII

Don Brown Productions
Don Brown
867 N. Main St
Orange, CA 92668
(714) 771-9711
Have MII

DNF Industries
Eve Norell
1032 North Sweetzer
Ave
Suite 212
W. Hollywood, CA 90069
(213) 650-5256
No MII

DSO Productions
Robert Orban
2413 Lincoln Ave
Belmont, CA 94002
Have MII

EIG Video
Bud Turner
PO Box 960
Lucerne Valley, CA 92356
No MII

First Light Video
Publishing
Andy Romanoff
8536 Venice Blvd
Los Angeles, CA 90034
(310) 558-7880
No MII

Grace Productions
Maynard Dennis Grimm
34476 Colville Pl
Freemont, CA 94555
(510) 794-8365
Have MII

Grass Valley Group
Don Davis
P.O. Box 1114,
Mail Stop N3-2H
Grass Valley, CA 95945
(916) 478-3097
Manuf.

GRC Electronics
Greg Capelo
6242 Pearl Lake Ave
San Diego, CA 92119
(619) 464-6446
Repair

IVS, Inc.
Ray Dunn
7925 Auburn Blvd
Citrus Heights, CA 95610
(800) 745-6601
Dealer

ITD Productions
Herbert Kellner, Ph.D.
1561 Madrid Dr
Vista, CA 92083
(619) 598-8451
Have MII

Jet Propulsion Lab
Cory Borst
4800 Oak Grove Dr.
Pasadena, CA 91109
(818) 354-6170
Have MII

KATZ Inc.
Rich Boroway
PO Box 2608
San Fernando, CA 91393
(818) 895-8921
No MII

KCRA
Dave Williams
3 Television Cir
Sacramento, CA 95814-0794
(916) 444-7300
Have MII

Kelly News &
Entertainment
Jay Rudin
3 Television Cir
Sacramento, CA 95814
Have MII

Kolb Entertainment
Kenneth Kolb
14380 Foothill Blvd #26
Sylmar, CA 91342
(818) 362-6753
No MII

KRBK-TV
Annette Wegesend
500 Media Pl.
Sacramento, CA 95815
(916) 929-0300
Have MII

KUSI
Richard Large
4575 View Ridge Ave
San Diego, CA 92123
(619) 571-5151
Have MII

Ace Kutsuna
533 21st Pl
Santa Monica, CA 90402
Have MII

Miles Media Corp
Richard Miles
4009 Union Ave
Bakersfield, CA 93305
No MII

NBC
Jim Smith
3000 W. Alameda Ave
Rm 4359
Burbank, CA 91523
(818) 840-4281
Have MII

NBC
Mr. Bill Johnston
3000 W. Alameda Ave
Burbank, CA 91523
Have MII

NBC
Mr. J. Schoedler
3000 W. Alameda Ave
Burbank, CA 91523
Have MII

NBC Sports
Jack Simmons
3000 W. Alameda Ave
Rm 4359
Burbank, CA 91523
(818) 840-4290
Have MII

North American
Television
Jim Ren Huang
10355 E. Rush St
El Monte, CA 91733
No MII

Paltex International
Jim Owen
2752 Walnut Ave
Tustin, CA 92680
(714) 669-8322
Manuf.

Precious Memories
Video
Chuck Hashim
320 East 18th St.
Bakersfield, CA 93305
(805) 324-8947
No MII

Recatec Inc
LH Lee
1290 Lawrence Station
Rd
Sunnyvale, CA 94089
No MII

R.T. Forney &
Associates
28 Southbrook, STE 4
Irvine, CA 92714
(714) 551-9062
Have MII

Spot Productions
Frank Vanella
5343 Birch Grove Dr.
San Jose, CA 95123
(408) 224-1500
Have MII

Tentel
Kirk McConnel
4475 Golden Foothills
Pkwy
El Dorado Hills, CA 95630
(800) 538-6894
Manuf.

The Video Production
Co. of America
Walter Knox
4750 Topeka Dr.
Tarzana, CA 91356
(818) 343-4896
Have MII

UC B/HIS Broadcasting
NE Peterson
8990 Gaddini Rd
Winters, CA 95694
No MII

UCLA-Behavioral
Sciences Media Lab NPI
Gary Lord
760 Westwood Plaza
Los Angeles, CA 90024
(213) 825-0448
Have MII

United Media
Leslie Ricci
4771 E. Hunter
Anaheim, CA 92807
No MII

Unitel Video
Mark Miller
3330 Cahuenga Blvd,
West
Los Angeles, CA 90068
(213) 878-5800
Have MII

Have you checked your listing for accuracy?

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Vaughn Duplication Services
Paul Taylor
2465 Campus Dr., Ste M
Irvine, CA 92715
(714)252-0190
Have MII

Video Proofs
George Barich
560 Martin Ave
Studio D
Rohnert Park, CA 94928
(707)586-0383
Have MII

Wilderness Production
Mike Conway
PO Box 10260
S. Lake Tahoe, CA
96158
(916)577-3008
Have MII

Your Video Productions
Jeri Ann Severson
2183 Fairview Rd, Ste.
104
Costa Mesa, CA 92627
(714)645-9687
Have MII

Colorado

Advanced Audio Video
Michael Cassidy
7700 E. Illiff,
Suite H
Denver, CO 80231
(800) 368-0406
Have MII

Advanced Audio Video
A.J. Delizza
7700 E. Illiff,
Suite H
Denver, CO 80231
(800) 368-0406
Have MII

American Magnetic Media
Steve Helmick
5580 Havana Unit 6A
Denver, CO 80239
(800) USA-TAPE
Have MII

American TV & Communications
David Franklin
160 Inverness Dr. W.
Englewood, CO 80112
(303) 799-1200
Have MII

Davis Audio-Visual, Inc.
Richard Davis
1801 Federal Blvd
Denver, CO 80204
(303) 455-1122
Dealer

Davis Audio-Visual, Inc.
Howard Goldbaum
2100 Clay St.
Denver, CO 80211
Dealer

Davis Audio-Visual, Inc.
Peter Blaney
19 West La Vages
Colorado Springs, CO
80903
Dealer

Tom Houston
3321 Apple Ave
Loveland, CO 80538
(303)667-2001
Have MII

KCD
Ted Chavez
9952 Eastman Park Dr.
Windsor, CO 80551
(303) 686-4640
Have MII

KCNC-TV
David Layne
1044 Lincoln St
Denver, CO 80203
(303) 830-6426
Have MII

KCNC-TV
Larry Ries
1044 Lincoln St
Denver, CO 80203
(303) 830-6341
Have MII

KCNC-TV
Don Sturgesleski
1044 Lincoln St
Denver, CO 80203
(303) 830-6313
Have MII

Martin Marrietta
Jim Pirtle
Falcon AFB
Colorado Springs, CO
80912
(919) 380-2552
Have MII

Multi-Magnetics, Inc.
John Simon
1020 15th St. #20E
Denver, CO 80202
(303) 825-7768
Have MII

Optical Audio Productions
Mike Koury
P.O. Box 2243
Fort Collins, CO 80522
(303) 484-5535
Have MII

VU Videos
Eric Wheeler
1420 Blake Street
Denver, CO 80202
(800) 637-4336
Supplier

Windstar Studios
Dan Lawson
525 Communications Cir.
Colorado Springs, CO
80905
(719) 635-0422
Have MII

Windstar Studios
Mike Wemple
525 Communications Cir.
Colorado Springs, CO
80905
(719) 635-0422
Have MII

Connecticut

Anton Bauer
Michael Malcy
1 Controls Dr.
Shelton, CT 06484
(203) 929-1100
Manuf.

Insight
Tom Carroll
288 Fallow St
Norwalk, CT 06850
(203) 853-1115

Quinnipiac College
Bruce Carpenter
Mt Carmec Ave
Hamdem, CT 06518
No MII

TRV Fastcam Sports TV
Production
Bruce Edwards
PO Box 52
West Mystic, CT 06388
(203) 572-8220
Have MII

WTXX-TV
Charles Allen
414 Meadow St
Waterbury, CT 06702
(203)575-2020
Have MII

WTXX-TV
George Parson
37 Peach Orchard Rd
Prospect, CT 06712
(203)758-4427
Have MII

WTXX-TV
Fred Tullock
37 Peach Orchard Rd
Prospect, CT 06712
(203)575-2020x250
Have MII

District of Columbia

Anacostia H.S.
Fred Atarod, RM 228
16th & R St., SE
Washington, DC 20020
No MII

C-SPAN
Brian Lockman
444 North Capitol Street
Suite 412
Washington, DC 20001
(202) 737-3220
Have MII

C-SPAN
Dave Roycraft
400 North Capitol Street
Suite 650
Washington, DC 20001
(202) 626-7991
Have MII

C-SPAN
Tim Dombro
400 North Capitol Street
Suite 650
Washington, DC 20001
(202) 737-3220
Have MII

C-SPAN
Bill Conover
400 North Capitol Street
Suite 650
Washington, DC 20001
(202) 737-3220
Have MII

C-SPAN
Tim Masters
400 North Capitol Street
Suite 650
Washington, DC 20001
(202) 737-3220
Have MII

Department of Veteran Affairs
George Brown
Communications
810 Vermont Ave, NW
Washington, DC 20420
No MII

House Recording Studios
Rick VanWinkle
B310 Rayburn Building
Washington, DC 20515
(202) 225-3941
Have MII

Mediasource, Inc.
Bill Parks
2121 Wisconsin Ave.,
N.W. Suite 64
Washington, DC 20007
(202)298-8100
Supplier

Minority Training Center
Richard Ray
1407 K Street, NW
Washington, DC 20005
(202) 371-1444
No MII

National Credit Union Administration
Bob Parks
1776 G St. N.W.
Washington, DC 20456
Have MII

Organization of American States
TV Unit
Gabriel Gross
17th & Constitution
Avenues
Washington, DC 20006
(202) 458-3985
No MII

The Media Group
Andrea Stelter
1118 22nd St., NW
Washington, DC 20037
(202) 833-4461
No MII

WRC
Harris Sullivan
4001 Nebraska Avenue
Washington, DC 20016
(202) 885-4133
Have MII

Florida

AAACHEN Productions
George Phelps
11261 S.W. 177th St.
Miami, FL 33157
(305) 255-9563
Have MII

Airtime Design
Brooks Reid
6490 SW 113th
Miami, FL 33156
(305) 666-0925
Have MII

ASCA
Dan Block
2860 Armadillo Tr
Titusville, FL 32780
(407) 269-1303
Have MII

Audio Visual Inovations
Ron Lyman
6313 Benjamin Rd.
Tampa, FL 33634
Dealer

Bassin Distributing
Jim Dichito
15959 NW 15th Ave
Miami, FL 33169
(800)329-7664
Supplier

Blue Mango Productions
Ed Reinhardt
1513 Wiley St
Hollywood, FL 33020
(305) 921-0079
No MII

CBF Media Centre
Bob Bernhardt
3400 Raleigh St
Hollywood, FL 33021
Have MII

Composite Video Service
Bill Costello
11100 66th St.N.
Suite 27
Largo, FL 34643
(813) 546-6407
Have MII

Channel 20
Scott Monaghan
215 N. Olive Ave, Suite
100
West Palm Beach, FL
33402
(407) 355-4239
Have MII

Continental Cablevision
Alan Tomasetti
141 N.W. 16th St
Pompano Beach, FL
33060
(305) 946-7011
Have MII

Encore
Steve Mashburn
1252 E. Hilsborough Ave
Tampa, FL 33604
(813) 669-8332
Supplier

Full Sail
Jim Michael
3300 University Blvd
Winter Park, FL 32792
(407) 679-0100
Have MII

Gendra Broadcasting Corp
Michael Luisi
2800 Biscayne Blvd, STE
700
Miami, FL 33137
Have MII

JJ Farris Enterprises, Inc.
Joe Farris
6240 NW 173rd St
#1027
Miami, FL 33015
(305)825-3908
No MII

Lakeland Regional Medical Center
Education Dept.
Ryan Lee
1324 Lakeland Hills Blvd.
Lakeland, FL 33805
(813) 687-1127
Have MII

Lockheed Space Operations
Robert Simmer
MS LSO 115
Kennedy Space Center,
FL 32899
(407) 867-2280
Have MII

MagneTech
Michael Pardo
3941 SW 47th Ave.
Ft Lauderdale, FL
33314
1-800-683-DUPE
(305) 791-6711
Have MII

Mayo Clinic
Asa Floyd
4500 San Pablo Rd.
Jacksonville, FL 32224
(904) 223-2672
Have MII

Mayo Clinic
Bill Wimsatt
4500 San Pablo Rd.
Jacksonville, FL 32224
(904) 223-2008
Have MII

Medfo, Inc.
John P. Lenhart, MD
6110 9th St. N.
St Petersburg, FL 33703
(813) 521-4130
Have MII

Medfo, Inc.
Dennis McDougall
6110 9th St. N.
St Petersburg, FL 33703
(813) 521-4130
Have MII

Media Concepts
Bob Skidmore
559 49th Street South
St. Petersburg, FL
33707
(813) 321-2122
Dealer

Multi Image Group
Jim Ballentine
1080 Holland Drive
Boca Raton, FL 33487
(800) 523-2682
Supplier

Sakolsky Productions
Kerry Sakolsky
700 Biltmore Way, Suite
1202
Coral Gables, FL 33134
(305) 441-1935
Have MII

Uptown Productions
AJ Machada
14413 SW 46 Ter
Miami, FL 33175
No MII

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U.S. Air Force Wright Laboratory WL/MNGI
Don Snyder
Eglin AFB, FL 32542
(904)882-9911
No MII

Valencia College
Jim Barber
Film Technology
Program, Mail Stop 3-2
701 N. Eonlockhatchee
Trail
Orlando, FL 32825
(407) 299-5000 x2415
Have MII

Vaughn Duplication Services
Ric Everett
5414 Beaumont Center
Dr., Ste 202
Tampa, FL 33634
(813)887-3141
Have MII

Videocam Export Co.
Juan Carlos Carrillo
7305 NW 36th Street
Miami, FL 33166
(305) 592-2034
Have MII

Videotaping Services Inc
Dale Sweet
1911 Manor Circle Dr
Winterhaven, FL 33880
Have MII

Video Techniques, Inc.
Robert Lorentzen
PO Box 9649
Bradenton, FL 34206-
9649
(813)746-4949
Have MII

Vue-Com Inc.
Marshall Ham
1126 S Division Ave
Orlando, FL 32805
(407)423-7869
Dealer

WDZL
Bob Castillo
2055 Lee St.
Hollywood, FL 33020
(305) 925-3939
Have MII

WFLA
Mike Healy
905 E Jackson St
Tampa, FL 33614
(813) 228-8888
Have MII

WFTS
Luis Romero
4501 E Columbus Dr
Tampa, FL 33605
(813) 623-2828
Have MII

WFTS
Jean Varn
4501 E Columbus Dr
Tampa, FL 33605
(813) 623-2828
Have MII

WPTV
Edward J. Roos
P.O. Box 510
Palm Beach, FL 33480
(407) 655-5455
Have MII

Georgia
Atlanta Video Production Center
Joseph Gora
1570 Northside Dr. NW
240
Atlanta, GA 30318
(404) 355-3398
Have MII

IBM
Tommy Lee
3100 Windy Hill Rd.
Internal Zip WE1C1
Marietta, GA 30067
(404) 835-3492
Have MII

IBM
Victoria Pendleton
3100 Windy Hill Rd.
Internal Zip WE1C1
Marietta, GA 30067
Have MII

Lewis Broadcasting Co.
Wallace Tidwell
PO Box 61268
Savannah, GA 31420
(912)925-0022
No MII

Lithonia Lighting
Mike Rogers
Video Communications
1400 Lester Rd
Conyers, GA 30207
(404) 922-9000 x2517
Have MII

National Video Exposure
Clyde Land
15100 Kerry Dr.
Atlanta, GA 30331
(404) 344-1551
Have MII

Northwest Airlines, Inc.
Bob Sharrett
1000 Inner Loop Road
Atlanta GA 30337-6072
(404)530-6955
Have MII

Printpack, Inc.
John Clower
4335 Wendell Dr.
Atlanta, GA 30336
(404) 691-2538 x445
Have MII

Savannah College of Art & Design
Ralph Gnann
235 Haversham St.
Savannah, GA 31402
(912)238-2407
Have MII

Strickland Video & Film Support
John Strickland
2972 Chipmonk Trail
Marietta, GA 30067
(404) 988-0803
Have MII

TVF Productions
John Salter
1612 N. Oak St.
Valdosta, GA 31602
(912) 244-9597
No MII

Vaughn Duplication Services
Rick Gauthier
2700 NE Expressway-
Bldg A, Ste 200
Atlanta, GA 30345
(404)728-9025
Have MII

Video Duplication
David Heslin
3095 Presidential Dr. Ste
F
Atlanta, GA 30340
(800) 235-9732
Have MII

Video Supply Sales Co.
Mark Radford
3440 Oakcliff Rd.
Suite 112
Atlanta, GA 30340
(404) 458-2468
Dealer

Videotography Inc
Damon Smith
PO Box 8263
Savannah, GA 31412
No MII

Zan Productions
Roseann Bush
1390 E Rock Springs 4
Atlanta, GA 30306
(404)872-0719
Have MII

Hawaii
Hot Shot Productions
Jim Abell
PO Box 1297
Kaplan, HI 96746
No MII

Video Concepts
Bob Ramacher
535 Lipoa Pkwy
Kihei, Maui, HI 96753
(808) 879-1329
Have MII

Video Concepts
Kevin Harrington
535 Lipoa Pkwy
Kihei, Maui, HI 96753
(808) 879-1329
Have MII

Idaho
KTRV
Brian Royster
679 6th St
Nampa, ID 83651
(208) 466-1200
Have MII

United Artists Cable
Neil Smith
PO Box 44
Boise, ID 83744
(208)375-2727
Have MII

Illinois
3M Tape Sales
Dave Rahmlow
908 N. Elm St.
Hinsdale, IL 60521
(800) 942-3961
Manuf.

Bible Students Publications
George Tabac
900 Brentwood
Bensenville, IL 60106
(708) 595-0984
Have MII

Bloomquist & Associates, Inc
Dick Bloomquist
828 N. Addison Ave
Elmhurst, IL 60126
(708) 530-4077
Have MII

Business TV Associates
Mark Hewitson
RR 1, Box 71
McLean, IL 61754
(309) 874-2908
Have MII

Center Video
Rex Balz
5615 W. Howard Street
Niles, IL 60648
(800) 621-4354
Supplier

Copymaster Video
Larry Stengren
711 E. Fairfield Ave.
Villa Park, IL 60181
(708) 279-1276
Have MII

Ed Janik Productions
Ed Janik
RR 2, Box 94C
Pleasant Plains, IL
62677
(217) 626-1976
Have MII

Illinois Central College
Tom Boyer
1 College Drive
East Peoria, IL 61635
Have MII

JRC Productions
Rob Aiello
528 Northlake St
Aurora, IL 60506
(708) 896-4250
Have MII

Kemper National Insurance
Bill Demarco
Kemper TV Studios
F-3
Rt. 22 & Kemper Dr.
Long Grove, IL 60049
(708) 540-4449
Have MII

Little Fort Media
Weldon Johnson
113-115 N Genesee
Waukegan, IL 60085
(708) 244-9666
Have MII

Master Images Video Duplications, Inc.
Skip Navar
3176 Mac Arthur Blvd.
Northbrook, IL 60062
(708)564-0470
Have MII

Millikin University
Ronnie Dean
1184 W. Main
Decatur, IL 62522
(217) 424-6254
Have MII

NBC
Mr. T. Powers
454 N. Columbus Dr
Chicago, IL 60611
Have MII

Norwest Communications, Inc.
Mark Karney
123 S. Hough St.
Barrington, IL 60010
(708) 381-3271
Have MII

Provid Supply
Regina Szpak
896 Webster Ln
Desplaines, IL 60016
(708) 299-7832
Supplier

Southern Illinois University
John Kautzer
Campus Box 1775
Edwardsville, IL 62026
(618) 692-2230
Have MII

State Farm Insurance
Gary Chambers
1 State Farm Plaza
Bloomington, IL 61710
(309) 766-6176
Have MII

State Farm Insurance
Randy Smith
1 State Farm Plaza
Bloomington, IL 61710
(309) 766-6176
Have MII

State Farm Insurance
Steve Snyder
1 State Farm Plaza
Bloomington, IL 61710
(309) 766-3368
Have MII

Televent Video Services
Don Shannon
6533 West North Ave
Oak Park, IL 60302
(708) 383-5588
Have MII

Tele Visual Productions
Dave Beatty
1287 Wabash
Springfield, IL 62704
(217)787-4757
Have MII

The Orenda Group
Jim Riemersma
9848 South Winchester
Ave
Chicago, IL 60643
(312) 238-3578
Have MII

Three Angels Broadcasting Network
Doug Garica
PO Box 220
West Frankfort, IL
62896
(618)627-4651
Have MII

Video FX
Stuart Soifer
400 Jefferson Ct
Wheeling, IL 60090
No MII

Video Production Group
Mark Wilder
511 Court St
Pekin, IL 61554
(309)353-6158
Have MII

Video Replay
Ron Norinsky
118 West Grand Ave.
Chicago, IL 60610
(312)822-0221
Have MII

Video-Tech Production
Alan Thursby
P.O. Box 2251
1602 Melrose Ct.
Decatur, IL 62526
(217) 877-9422
Have MII

WICD-TV
David Boyer
250 Country Fair Dr.
Champaign, IL 61821
(217) 351-8500
Have MII

WIFR-TV
Willard Shears
PO Box 123
Rockford, IL 61105
(805)987-5300
Have MII

WTVO
Al Petzke
1917 N Meridian Rd
Rockford, IL 61105
(815) 963-5413
Have MII

WYCC-TV
Donald Rhodes
7500 S. Pulaski Rd.
Chicago, IL 60652
(312)838-4853
Have MII

Indiana
Ball State University
Bill Cahoe
University Media
Services
Muncie, IN 47306
(317) 285-1487
Have MII

Ball State University
Jim Scott
University Media
Services
Muncie, IN 47306
(317) 285-1487
Have MII

Ball State University
Chris Weyers
BC#179
Muncie, IN 47304
(317) 285-8185
Have MII

Maginity Video Productions
Harry Maginity
4330 Forrest Manor Ave
Indianapolis, IN 46226
Have MII

Sho-n-Tell
Rollie Bunce
8241 Milhouse Rd
Indianapolis, IN 46241
(317)856-5418
No MII

Have you checked your listing for accuracy? .

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Versatile Video Services, Inc.
Terry Burke
P.O. Box 333
Yorktown, IN 47396
(317) 759-4747
Have MII

Video Management Systems
Dan Hall
1004 E. Washington Street
Indianapolis, IN 46202
(317) 639-6163
Have MII

Video Management Systems
Jeff McFall
1004 E. Washington Street
Indianapolis, IN 46202
(317) 639-6163
Have MII

WIPB-TV
Bob Fairchild
PO Box 1708
Muncie, IN 47308
(317) 285-1249
Have MII

WIPB-TV
James Miller
PO Box 1708
Muncie, IN 47308
(317) 285-1249
Have MII

WKJG-TV
Matt Kyle
2633 West State Blvd
Ft. Wayne, IN 46808
(219) 422-7474
Have MII

WFFT-TV
Mac McShane
3707 Hillgas RD
Ft. Wayne, IN 46808
(219) 424-5555
Have MII

Wolfe Communications Inc.
Dion Wolfe
Box 105
Valparaiso, IN 46383
(219) 464-5019
Have MII

WTTV
Fred Baumgartner
3490 Bluff Road
Indianapolis, IN 46202
(317) 787-2211
Have MII

Iowa

American Heritage Cable
Brian Sawyer
1729 McPherson Ave
Council Bluffs, IA 51503
(712) 328-7207
Have MII

Cedar Rapids Television Co.
Bruce Kruse
Second Ave. at Fifth St, SE
Cedar Rapids, IA 52401
(319) 398-8422
Have MII

Iowa State University
Denny Goodrich
Media Production Unit
Exhibit Hall S
Ames, IA 50011
(515) 294-2316
Have MII

Iowa State University
Jim Twetten
Media Production Unit
Exhibit Hall S
Ames, IA 50011
(515) 294-2316
Have MII

Kirkwood Community College
Joe Taylor
6301 Kirkwood Blvd SW
Cedar Rapids, IA 52406
(319) 398-5620
Have MII

Pratt Audio Visual & Video Corp.
Cynthia Egger
200 Third Ave. SW
Cedar Rapids, IA 52404
(319) 363-8144
Dealer

Kansas

First Generation Video
Wink Friesen
1802 N. Plum
Hutchinson, KS 67502
(316) 662-9262
Have MII

KSAS-TV
David Bird
316 N. West St.
Wichita, KS 67203
(316) 942-2424
Have MII

Majec Video Productions
Jordan Gershon
9275 Flint St
Overland Park, KS 66214
(913) 894-1188
Have MII

Smokey Hills Public TV
Lloyd Mintzmeyer
PO Box 9
Bunker Hill, KS 67626
(913) 483-6990
Have MII

University of Kansas
Brian Powell
Athletic Dept.-Football
Allen Fieldhouse
Lawrence, KS 66045
Have MII

Kentucky

Dench Video Services, Inc.
Tim Dench
9141 Bardstown Rd.
Louisville, KY 40291
(502) 239-0229
No MII

S & W Productions
Tom Prigge
459 Broyles Ave
Paducah, KY 42003
(502) 554-3057
Have MII

S & W Productions
Terry Schmitt
459 Broyles Ave
Paducah, KY 42003
(502) 554-3057
Have MII

WPSD-Engineering Dept.
Jim Franklin
P.O. Box 1197
Paducah, KY 42002-1197
(502) 442-8214
Have MII

Louisiana

Newcomer Young Productions
James Young
201 Trenton St
West Monroe, LA 71291
(318) 325-4413
Have MII

Newcomer Young Productions
Ken Purcell
201 Trenton St
West Monroe, LA 71291
(318) 325-4413
Have MII

Newcomer Young Productions
Chris Turner
201 Trenton St
West Monroe, LA 71291
(318) 325-4413
Have MII

New Orleans Convention Center
Mike Blohm-Technical Services
900 Convention Center Blvd
New Orleans, LA 70130
(504) 582-3062
No MII

Vidox
Chris Allain
1223 St. John
Lafayette, LA 70506
(318) 237-1700
Have MII

World Christian Church
Leslie Johnson
Film Dept. #1808
Hwy 59
Mandeville, LA 70448-4000
No MII

Maine

James Waligora
3555 N. Raymond Rd
Poland Spring, ME 04274
No MII

Maryland

AVA Productions
Dick Slade
1412 Northcrest Drive
Silver Spring, MD 20904
(301) 384-9595
Have MII

Bell Atlantic
Tom Erdely
801 Roeder Road
Silver Spring, MD 20910
(301) 565-8663
Have MII

Carpel Video
Andy Carpel
429 E. Patrick St
Frederick, MD 21701
(800) 238-4300
supplier

Colorlab
Russ Suniewick
5708 Arundel Ave.
Rockville, MD 20852
(301) 770-2128
Have MII

Communications Televideo Ltd.
Paul Farren
9301 Georgia Ave.
Silver Spring, MD 20910
(301) 585-6311
Dealer

Fay Communications Inc.
Tim Fay
802 Argyle Rd
Silver Spring, MD 20901
(301) 588-0778
Have MII

Fuji Film
J. Thomas Baum
1089 Heathers Dr.
Westminster, MD 21158-3602
(301) 876-9590
Manuf.

Global Vision
Tariq Nazir
PO Box 535
Reisterstown, MD 21136
(301) 356-6715
No MII

Henry Joseph, III
10169 New Hampshire Ave.
Suite 198
Silver Spring, MD 20903
(301) 434-7347
No MII

Image Productions
John Young
111 South Potomac St.
Hagerstown, MD 21740
(301) 739-4590
Have MII

Infovideo
Don Lyman
4833 Del Ray Ave.
Bethesda, MD 20814
(301) 986-8811
No MII

Johns Hopkins APL
Bob Grauel
Johns Hopkins Rd
Columbia, MD 20723
(301) 953-6786
Have MII

Preston Trucking
Bob Lyons
151 Easton Blvd.
Preston, MD 21655
(301) 673-7151
Have MII

PG County Office of TV Resources
Don Mattingly
8437 Landover Road
Landover, MD 20785
(301) 386-1629
Have MII

Prince Georges Co. Public Schools
Scott Schiller
8437 Landover Road
Landover, MD 20785
Have MII

Prince Georges Co. Public Schools
Chuck Wolfe
8437 Landover Road
Landover, MD 20785
Have MII

Professional Products, Inc.
James Baldwin
4964 Fairmont Ave.
Bethesda, MD 20814
(301) 657-2141
Dealer

Professional Products, Inc.
Bob Williams
2605 N. Rolling Rd,
Suite 406
Baltimore, MD 21207-1960
(301) 298-7111
Dealer

Ralph Graves Productions, Inc.
Bill Graves
5161 River Rd, Bldg 2,
Suite 103
Bethesda, MD 20816
(301) 986-4577
Have MII

Ritz Audio/Visual
Scott Grady
6620 Virginia Manor
Beltsville, MD 20705
No MII

Sign Media Inc.
Verden Ness
4020 Blackburn Lane
Burtonsville, MD 20866
(301) 421-0268
Have MII

Specialized Communications
Dave Clayberg
907 Maryland Ave.
Hagerstown, MD 21740
(800) 359-1858
(301) 790-0103
Repair

TCI Cablevision
Bob Hidey
201 S. Mechanics St
Cumberland, MD 21502
(301) 722-6547
Have MII

TPI Productions
Bill Perkins
5410 Goldsboro Road
Bethesda, MD 20817
(301) 320-5979
Have MII

Video on Location
Jimmy Veizis
11600 Nebel St.
Rockville, MD 20852
(301) 984-5823
Have MII

Video on Location
Dino Veizis
11600 Nebel St.
Rockville, MD 20852
(301) 984-5823
Have MII

Video Transfer, Inc.
Ernie Aschenbach
5709 Arundel Ave.
Rockville, MD 20852
(301) 881-0270
Have MII

VMAG
Kendra Cook
5410 Goldsboro Road
Bethesda, MD 20817
(301) 320-0077
Have MII

Washington Professional Systems
Mike Gerry
11157 Viers Mill Rd
Wheaton, MD 20902
(301) 942-6800
Dealer

WBFF
Del Parks
2000 W. 41st. Street
Baltimore, MD 21211
(301) 467-4545
Have MII

WHAG-TV
Wayne Younkins
13 E. Washington St.
Hagerstown, MD 21740
(301) 797-4400
Have MII

Massachusetts

A/V Services
Bob Pooler
674 Mass Ave (Rt 111)
Boxborough, MA 01719
(508) 263-7727
Have MII

Bob Benson Video Film
Robert Benson
287 Chappel St
Holden, MA 01520
(508) 829-4105
Have MII

The Camera Corp
Marty Feldman
858 Providence Hwy
Norwood, MA 02062
Dealer

Crimson Tech
Lee Wolloff
325 Vassar St
Cambridge, MA 02139
(617) 868-5150
Dealer

GTE Labs, Inc.
Rich Weiland
40 Sylvan Rd.
Waltham, MA 02254
(617) 466-4151
Have MII

LCR Productions Leo Rotkiewicz, Jr. 46 Elm St South Deerfield, MA 01373-1006 (413) 665-2946 No MII	PKH Video Peter Hickman 1997 M-50 Tecumseh, MI 49286 (517) 423-2137 Have MII	WZZM-TV Chuck Mikowski 645 Three Mile Rd N.W. Grand Rapids, MI 49504 Have MII	Miller Meester Advertising Dan Sauard 17 N Washington Ave Minneapolis, MN 55401 (612) 337-9120 Have MII	KECI-TV Larry Arbaugh PO 5268 Missoula, MT 59806 (406) 721-2063 Have MII	New Hampshire Channel One Video Bill Channel PO Box 1437 Seabrook, NH 03874 (603) 474-5046 No MII
Media Partners of MA Gary Pink 1837 Ocean St. Marshfield, MA 02050 (617) 837-5301 Have MII	Q-1 Video Network Tim Hart 62 Division Coldwater, MI 49036 (517) 279-8752 Have MII	Minnesota 3M Bob Herman 3M Center Building 223-5N-01 St Paul, MN 55119 (612) 736-2549 Manuf.	NW Airlines Bob Brandia 5101 NW Dr St. Paul, MN 55111 (612) 726-0355 Have MII	KCFW-TV Chris Neuhausen PO Box 857 Kalispell, MT 59901 (406) 755-5239 Have MII	Icicle Productions Erik Lourette 7 Hampstead Rd Box 439 Sandown, NH 03873 No MII
MIT Earth & Planetary Sciences Tim Dowling 18 Vassar St Bldg 54-420 Cambridge, MA 02139 (617) 253-1785 Have MII	Thalner Electronic Labs Karl Couyoumjian 7235 Jackson Rd. Ann Arbor, MI 48103 (313) 761-4506 Dealer	Alpha Video Ben Vogel 7836 2nd Ave. S. Bloomington, MN 55420 Dealer	Promotional Films and Video, Inc. Al Peterson 1313 Cambridge St. Hopkins, MN 55343 (612) 935-2183 No MII	KTVM Bill Ward 750 Dewey Blvd Butte, MT 59701 (406) 494-7603 Have MII	New Jersey Audio + Video Post Tony Beswick 235 Pegasus Ave Northvale, NJ 07647 (201) 784-2818 No MII
Plainsong Productions Ben Achtenberg 47 Halifax Street Jamaica Plain, MA 02130 (617) 524-0980 No MII	Thalner Electronic Labs John Young PO Box 96 Bangor, MI 49013 (616) 427-8233 Dealer	Audio Visual Wholesaler Tom Toutges 5395 31st Ave Plymouth, MN 55447 Dealer	Vaughn Duplication Services Doug Olzendk 7951 Computer Ave South Minneapolis, MN 55435 (800) 323-0281 Have MII	KULR-TV Dean Jansma PO Box 80810 Billings, MT 59108 (406) 656-8000 Have MII	Avon Productions Fred Lipowitz 123 Matis Street South Plainfield, NJ 07080 (908) 756-0643 Have MII
Studio 5 Productions Bill Lowell 5 TV Place Needham, MA 02192 (617) 449-0400 Have MII	University of Michigan, METN Jerry McCarty RM 1020 HH Dow Bldg Ann Arbor, MI 48109- 2136 (313) 763-1233 Have MII	Century Design Jody Heurung 530 15th Ave. S. Hopkins, MN 55343- 7889 (612) 935-0033 Have MII	Vaughn Duplication Services Michelle Sahlin 7951 Computer Ave South Minneapolis, MN 55435 (612) 832-3108 Have MII	Nebraska Creighton University Terence Barrio 2400 California St Omaha, NE 68178 (402) 280-5124 No MII	Bell Atlantic Corporate Television Richard Deiss 540 Broad Street, Room 400 Newark, NJ 07101 (201) 649-3885 Have MII
Thom McAn Greg Lindgren 67 Millbrook St. Worcester, MA 01606 (508) 791-3811 Have MII	Vivid Visions, Inc Christopher Hart 9282 General Dr., Suite 130 Plymouth, MI 48170 (313) 453-7770 Have MII	Champion Auto Stores Larry Gilbertson 5520 N. Highway 169 New Hope, MN 55428 (612) 535-5984 Have MII	Missouri Duff Video Productions Ron Duff P.O. Box 881 Cape Girardeau, MO 63702-0881 (314) 334-1189 Have MII	Data Security Inc. Wayne Boles 2801 N. 27th St. Lincoln, NE 68521 (800) 225-7554 Manuf.	Bottom Line Television Mike Moran 6 Northwest Blvd Newfield, NJ 08344 (609) 697-4661 Have MII
Video Information Productions Mark Cavanaugh PO Box 5986 Marlborough, MA 01752 (508) 481-6823 No MII	VPM Studios Gene Casaroll 13761 Bell Court Stirling Heights, MI 48312 (313) 939-8680 Have MII	Cinequipt Kevin Groves 856 Raymond Ave St Paul, MN 55114 (612) 646-1780 Dealer	KPLR Jim Wright 4935 Lindell Blvd. St. Louis, MO 63108 (314) 454-6306 Have MII	Garner Industries Scott Torres 4200 N 48th Lincoln, NE 68504 (800) 228-0275 Manuf.	Cassette Dub Inc. Paul Ranieri 245 Livingston Street Northvale, NJ 07647 (201) 767-7077 Have MII
WNAC-TV Gary Sprague 33 Pine St Rehoboth, MA 02769 Have MII	Western Michigan University James Kirkland Television Department Kalamazoo, MI 49008- 3899 (616) 387-5040 Have MII	Grant Booker Video Terry Grant 2543 Nicollet Ave. S Minneapolis, MN 55404 (612) 870-0028 Have MII	University of Missouri Video Network James Gaar 301 Fine Arts Bldg UMKC Kansas City, MO 64110- 2499 (816) 235-1094 Have MII	Godfathers Pizza Inc. Tom Elkins 9140 W Dodge Rd Omaha, NE 68114 (402) 391-1452 Have MII	CNBC Mr. M. Reitman 2200 Fletcher Ave. Fort Lee, NJ 07024 Have MII
Michigan Christian Family Centre Paul Maybee 1800 W US 223 Adrian, MI 49221 (517) 263-6232 Have MII	Western Michigan University Brad Morgan Television Studios Kalamazoo, MI 49008- 5167 (616) 387-5042 Have MII	KARE Norm Beardsley 8811 Olson Memorial HWY Minneapolis, MN 55427 (612) 546-1111 Have MII	Vaugh Duplication Services Pete Leverenz 13241 Tandem Drive Creve Coeur, MO 63146 (314) 576-6804	Godfathers Pizza Inc. Matt Kush 9140 W Dodge Rd Omaha, NE 68114 (402) 391-1452 Have MII	CNBC Kevin Kudatzky 2200 Fletcher Ave. Fort Lee, NJ 07024 Have MII
Delta College Harold Conley University Center, MI 48710 (517) 686-9354 Have MII	WNEM TV 5 Michael J Miller 107 N. Franklin St PO Box 531 Saginaw, MI 48606 Have MII	KTCA Jerry Huiting 172 E. 4th St. St. Paul, MN (612) 222-1717 Have MII	Montana Eagle Communications, Inc. C.J. Cannaliato PO Box 5268 Missoula, MT 59806 (406) 721-2063 Have MII	WOWT-TV Rick Klutts 3501 Farnam Omaha, NE 68131 (402) 346-6666 Have MII	Creative Associates Harrison Feather 626 Bloomfield Ave. Verona, NJ 07044 (201) 857-3444 No MII
Digital Animation Corp. Ron Ware 24445 Northwestern Hwy, Suite 105 Southfield, MI 48075 (313) 354-0890 No MII	WXYZ Mike Doback PO Box 789 Southfield, MI 48037 (313) 827-9490 Have MII	Mayo Clinic Marvin Mitchell Video Communications Systems Rochester, MN 55905 (507) 284-2511 Have MII	Truckee River Studios, Inc. Larry Beldon PO Box 1529 Verdi, NV 89439 (800) 824-0977 Have MII	Nevada Markone Video Mark Carey 1030 Bibleway 6 Reno, NV 89502 (702) 786-6464 Have MII	Edit Masters David Lane 1000 Laurel Oak Corp Center Voorhees, NJ 08043 (609) 784-1177 Have MII
Dan Fitzgerald P.O. Box 126 Tecumseh, MI 49286 (517) 423-8124 No MII					continues on next page

continued from previous page

Garden State Cable TV Martin Otremsky 1250 Haddenfield-Berlin Rd. Cherry Hill, NJ 08034 (609) 354-1223 Have MII	Sandia National Labs Jim Lloyd Organization 7212 P.O. Box 5800 Albuquerque, NM 87185 (505) 844-3867 Have MII	Broadcast Video Productions Jack Miller 480 Main Street Armonk, NY 10504 (914) 273-6649 Have MII	Herkimer County Community College Bob Schultz Reservoir Rd Herkimer, NY 13350 (315)866-0300x238 Have MII	NBC News Archives Yuien Chin 30 Rockefeller Plaza, RM 922 New York, NY 10120 (212) 664-5223 Have MII	PCI Recording Service Ted Hummel 737 Atlantic Ave. Rochester, NY 14609 (716) 288-5620 No MII
NBC Mr. Wayne Grennier 101 Broad Avenue Fairview, NJ 07022 Have MII	Sandia National Labs Charles Johnson Div 9249 Box 5800 Albuquerque, NM 87185 (505)844-7911 Have MII	Broadway Video Inc. Dave Radin 1619 Broadway 10th FL New York, NY 10019 (212)265-7600	Henry Joerz, Jr 7230 73rd St Glen Dale, NY 11385 No MII	NBC News Mark Chomut 30 Rockefeller Plaza, RM 737 New York, NY 10120 (212) 664-5888 Have MII	PDR Productions Neil Derosa 219 E. 44th St New York, NY 10017 (212)986-2020 Have MII
Telemetrics Anthony Cuomo 7 Valley St Hawthorn, NJ 07506 (201) 423-0347 Have MII	Troxell Terry Hixson 2730 San Pedro, NE Albuquerque, NM 87110 Dealer	Bronx Community College Prof. Donald Canty 184 th St & University Ave Bronx, NY 10453 Have MII	HITN Jose Rodriguez 449 Broadway 13 New York, NY 10013 Has MII	NBC News Joe Marrone 30 Rockefeller Plaza, RM 737 New York, NY 10120 (212) 664-5888 Have MII	SUNY Institute of Technology Steve Perta PO Box 3050 Utica, NY 13504 (315) 792-7180 Have MII
United Artists Cable Peter Strang-Wolf 421 Allwood Rd Clifton, NJ 07012 (201) 779-2444 Have MII	New York AICPA Will Avgerakis TV Studio 5th Floor 1211 6th Ave. New York, NY 10036 (212) 575-5490 Have MII	Camera Mart Steve Gordon 456 W. 55th St. New York, NY 10019 (212) 757-6977 Supplier	Hofstra University Mark Sugarman Special Events A/V 112 Student Center Hempstead, NY 11550 No MII	NBC Bill Sacrey 30 Rockefeller Plaza Rm 1210W New York, NY 10112 (212) 664-7140 Have MII	Vaughn Duplication Services Lloyd Dorfman 10 E. 39th St New York, NY 10016 (212)447-1038 Have MII
WJ Kronemyer Associates Bill Kronemyer 280 East Glen Ave. Ridgewood, NJ 07450 (201) 445-1919 No MII	AICPA Jim Catone TV Studio 5th Floor 1211 6th Ave. New York, NY 10036 (212) 575-5490 Have MII	Center for Video Education Pat Shafer 56 Lafayette Ave N White Plains, NY 10603 (914)428-9620 No MII	IATSE Karen Pizzuto 1515 Broadway #601 New York, NY 10036 No MII	NBC Mr. Andy Morris 30 Rockefeller Plaza Rm 1210W New York, NY 10112 Have MII	Vertex Video Group Steven Zacharoff 1680 Bedford Ave. #22D Brooklyn, NY 11225 (718) 756-0438 Have MII
Z F/X Video Production Al Martucci 140 Arlington Blvd North Arlington, NJ 07031 (201)997-2191 No MII	Allen AME Church Gary Fulmore 1100-54 Merick Blvd Queens, NY 11432 (718) 526-3510 No MII	Colortone Bob Siebern 76 S. Central Ave. Elmsford, NY 10523 (914) 592-4151 Dealer	IBM East Fishkill Joseph Chin Rt 52 Dept-31U, zip 22A Hopewell Junction, NY 12533 (914)894-8464 Have MII	NBC News Mel Weidner 30 Rockefeller Plaza, RM 807 New York, NY 10112 (212) 664-6118 Have MII	Vlahos Communications Harvey Vlahos State RT 156 Altamont, NY 12009 (518) 861-8176 No MII
New Mexico		Colortone Jack Miller 76 S. Central Ave. Elmsford, NY 10523 (914) 592-4151 Dealer	Manhattan Cable TV Dean Adrian 120 E 23rd St New York, NY 10010 (212)598-7278 Have MII	NBC News Stu Pearman 52-37 Second St Long Island City, NY 11101 (718) 482-8310 Have MII	WPIX Bob Murch 222 42nd St New York, NY 10017 (212) 210-2552 No MII
Four M Video Inc EF Morrill PO Box 736 Cedar Crest, NM 87008 No MII	All Pro Production Nathan Bacher 124 W. 60th St., Suite 20B New York, NY 10023 (212) 489-5780 Have MII	CoarcVideo Edward Helfer Jr. PO Box 2, Rt 217 Mellenville, NY 12544 (800) 888-4451 Supplier	Manhattan Cable TV Fred Ciccone 120 E 23rd St New York, NY 10010 (212)598-7269 Have MII	New Matchback Dan Aizenstat 605 2nd Ave Suite 3 New York, NY 10016 (212) 685-6283 Have MII	North Carolina
G.C.Video, Inc. Diane Bogle 425 Eubank Blvd, NE Suite E Albuquerque, NM 87123 (505) 293-6509 Have MII	Bausch & Lomb Terry Shaw 1400 N. Goodman St. Rochester, NY 14692 (716) 338-8779 Have MII	Duckball Al Arthur 532 LaGuardia Pl Box 370 New York, NY 10012 (718)599-2385 Have MII	Manhattan Cable TV James Oakes 120 E 23rd St New York, NY 10010 (212)598-1787 Have MII	New York City Sanitation Department Mike Barbarotto Audio Visual Services Unit PO Box 213 Maspeth (Queens), NY 11378 (718) 507-3543 Have MII	A&T State University Arthur D. Selby Greensboro, NC 27406 No MII
KGSW-TV Mark Gardner 1377 University Blvd NE Albuquerque, NM 87102 Have MII	B & B Systems, Inc. Norman Schnapper 630 3rd Ave. New York, NY 10017 (212)599-0375 Supplier	Elite Video Production Kalmon Zeines 1612 E. 14th St Brooklyn, NY 11229 (718) 627-0499 Have MII	Moyse & Associates, Inc Claude Moyse PO Box 831 Latham, NY 12110 (518) 783-6221 Have MII	New York Telephone Walter Erickson 1095 Avenue of the Americas, Rm 1600 New York, NY 10036 (212) 395-0111 Have MII	Camp Lejeune Dept. Schools Mirjam Bohnet Camp Lejeune, NC 28542 No MII
New Mexico Highlands Univ. Drake Bingham Communication Arts Bldg Las Vegas, NM 87701 (505)454-3353 Have MII	BCS Walter Druker 460 W. 34th Street New York, NY 10001 (212) 268-8800 Supplier	Greater Rochester Cable Harry Goldberg 71 Mount Hope Ave Rochester, NY 14620 (716) 325-1111 Have MII	Nassau County Police (VISCOM) Benjamin Homenick 1490 Franklin Ave. Mineola, NY 11501 (516) 573-7013 Have MII	Junior Johnson & Associates Ron Dauenhauer Wilkesboro, NC 28697 (919) 984-2101 Have MII	Lentz & Associates LA Lentz PO Box 6181 Raleigh, NC 27628 (919) 828-6761 Have MII
PCI, Inc. Idella Cantrell 1595 W. Amador Ave Suite H Las Cruces, NM 88005 Dealer	Bravo Studio Michael Shkolnikov 2055 E 57th St Brooklyn, NY 11234 (718) 377-4411 No MII	HAVE, Inc. Paul Swendenburg 309 Power Ave. Hudson, NY 12534 (518)828-2000 Have MII/Supplier		Northstar Television Group Mark Olkowski 405 Lexington Ave, 54th Floor New York, NY 10174 No MII	Long Communications Group Spencer Bullins 961 Burke St Winston-Salem, NC 27101 (919) 725-2306 No MII
Have you checked your listing for accuracy?					

Have you checked your listing for accuracy?

Long Communications Billy Register 1018 Morrisville Pkwy, Ste D Morrisville, NC 27560 (919)481-1188 Dealer	WFXI-TV Michelle LaRock PO Box 2069 Moorehead, NC 28557 (919) 240-0888 Have MII	Image Video Teleproduction Mike Tonges 6755 Freedom Ave, NW North Canton, OH 44720 (216) 494-9303 Have MII	Video Duplication Services Pete Stock PO Box 18337 Columbus, OH 43218 (800) 289-4301 No MII	Teleproduction Unlimited Mel Elzea 5820 South 129th East Ave Tulsa, OK 74134 (918) 252-2909 Have MII	Pennsylvania Action Duplication Craig Kuptsow 555 North Lane, Suite 5075 Conshocken, PA 19428 No MII
Lowe's Companies, Inc. Bill Hurd PO Box 1111 North Wilkesboro, NC 28656 (919) 651-4933 Have MII	W.H. Platts Company Brooks Platts 2303 Distribution Charlotte, NC 28203 (704) 332-9053 Dealer	Industrial Video John Barak 1601 N. Ridge Rd E. Lorain, OH 44055 (216) 277-1218 Dealer	WAKC-TV Earl Miller 853 Copley Rd Akron, OH 44320 (216) 535-7831 Have MII	ViaGrafix Mike Webster 31 South Adair Pryor, OK 74361 (800)842-4723 Have MII	Allen Organ Company Clark Ferguson 150 Locust St Macungie, PA 18062 (215) 966-2202 Have MII
Marine Grafics Bill Lovin Box 2242 Chapel Hill, NC 27515 (919) 362-8867 Have MII	WJZY Ed McKay PO Box 668400 Charlotte, NC 28266- 8400 (704) 398-0046 Have MII	Mission Video Support Paul Klouda 10011A State Rt. 88 Garrettsville, OH 44231 (216) 527-2182 Have MII	WBNX-TV Bill Cogger 2690 State Rd Cuyahoga Falls, OH 44221 (216) 920-1019 Have MII	Oregon Columbia Cable of OR Jim DeChant 14200 SW Brigadoon Ct. Beaverton, OR 97005 (503) 644-3188 Have MII	Bell Atlantic Morris Hawk 1 Parkway, 2nd Floor Philadelphia, PA 19102 (215) 466-3896 Have MII
Pumkin Creek Video Production Harold Ferguson 321 Coffee Ave North Wilksboro, NC 28659 (919) 667-7717 Have MII	WRAL Ron Tyndall 2619 Western Blvd Raleigh, NC 27606 (919) 821-8520 Have MII	Mission Video Support Vince Sisson 10011A State Rt. 88 Garrettsville, OH 44231 (216) 527-2182 Have MII	WEWS-TV Ed Miller 3001 Euclid Ave. Cleveland, OH 44115 (216) 431-3687 Have MII	Fishing the West Kerry Brown 5484 SE International Way Milwaukie, OR 97222 (503) 654-0092 Have MII	Cornerstone TV Kevin Robinson Signal Hill Dr Wall, PA 15148 (412) 824-3930 Have MII
Sara Lee Direct Walter Orechwa 470 Haines Mill Rd Winston-Salem, NC 27105 (919) 744-8293 Have MII	UND Aerospace John Ness PO Box 8009 Grand Forks, ND 58202- 8009 (701)777-4722 Have MII	Nordson Corporation Robert A. Schneider 555 Jackson Street Amherst, OH 44001 (216) 988-9411x4540 Have MII	WHIZ-TV Elmer Hartmeyer 629 Downard Rd. Zanesville, OH 43701 (614) 453-4079 Have MII	Hultman Media Services Gary Hultman PO Box 5317 Grants Pass, OR 97527 (503) 474-6466 No MII	Cornerstone TV Gary Stuart Signal Hill Dr Wall, PA 15148 (412) 824-3930 Have MII
Sara Lee Direct Chuck Morris 470 Haines Mill Rd Winston-Salem, NC 27105 (919) 519-7121 Have MII	WDAY-TV Joel Aagenas 301 8th Street So. Fargo, ND 58103 (701) 237-6500 Have MII	Ohio Bell Telephone Company Dave Kennett 100 Erie View Plaza, Rm 230 Cleveland, OH 44114 (216) 822-3770 Have MII	Wiegand Audio/Video Labs Charles Wiegand 7758 Lafayette Rd, NW Newark, OH 43055 (614) 967-0059 Supplier	KBSP Tim Mance 4923 Indian School Rd, NE Salem, OR 97305 (503) 390-2202 Have MII	Mine Safety Appliance Co. Josh Bayer PO Box 426 Pittsburgh, PA 15230 (412) 967-3198 Have MII
Target Television Don Kirk 1001 S Marshall St Winston-Salem, NC 27101 Have MII	Ohio Advanced Video Jeff Costa 1312 Wise Dr Miamisburg, OH 45342 (513) 461-6800 Have MII	RDB Productions Russ Beckner 2100 Heatherwood Ct Middletown, OH 45042 (513) 422-9552 Have MII	WKYC-TV Andy Hitchcock 1403 E. 6th St. Cleveland, OH 44114 (216) 344-3356 Have MII	NAMEDLOC Inc Lon Crosby 430 Hollybush Rd Bryn Maw, PA 19010 No MII	
TeleFox Bill Hitchcock PO Box 2069 Moorehead, NC 28557 (919) 240-7340 Have MII	Classic Video Dave Ginaven 5001 E. Royaltan Rd Cleveland, OH 44147 (216) 838-5377 Have MII	Riverside Film & TV Productions Rob Richardson, Jr. PO Box 543 Marrietta, OH 45750 (614) 373-0861 Have MII	WKYC-TV Gerald Plemmons 1403 E. 6th St. Cleveland, OH 44114 (216) 344-3353 Have MII	Pittsburgh Televideo Inc. 1738 N. Highland Rd. Suite 103 Pittsburgh, PA 15241 Have MII	
Video Perception Rick Hall 1016 S Church St Charlotte, NC 28203 (704)358-0900 Have MII	Claybaugh Enterprises Inc David Clay baugh 2959 Layhigh Rd Hamilton, OH 45013 (513)738-0880 Have MII	Stanley Steamer Int'l Steve Whitley 5500 Stanley Steamer Pkw Dublin, OH 43017 (614) 764-2007x553 No MII	WNED-TV Alan Creed 13870 Salem Alliance Rd Salem, OH 44460 (216) 337-3755 Have MII	Pro Video Steve Zampana 1001 Sussex Blvd Broomhall, PA 19008 (215)328-7448 Dealer	
Walt Kline & Assoc. Mike Laur 200 Brookstown Ave Winston Salem, NC 27101 (919)727-4900 No MII	GE Dan Kerr Videoconference Center One Neuman Way Cincinnati, OH 45215 (513) 243-3695 Have MII	TW Teleproductions, Inc. Tom Whaley 141 E Water St Sandusky, OH 44870 (419)621-0602 Have MII	Oklahoma Barrister Studios Phil Atkinson 4305 S Mingo Ste A Tulsa, OK 74146 (918)663-7700 Have MII	Quail Video Products Bill Frazier 949 Penn Ave Pittsburgh, PA 15221 (412) 243-1300 Dealer	
WECT Wayne Tiner 322 Shipyard Blvd Wilmington, NC 28401 (919)791-8070 Have MII	Horizon Production, Inc. Bill Jacobs 2321 Kemper Ln Cincinnati, OH 45206 (513) 559-0550 Have MII	Vanguard Productions Jerry Beck 7064 Huntley Rd Columbus, OH 43229 (614) 436-4610 Have MII	BCD Assoc. RM Howard 7510 N. Broadway Oklahoma City, OK 73116 Manuf.	Quail Video Products Brian Nee 949 Penn Ave Pittsburgh, PA 15221 (412) 243-1300 Dealer	
			KJRH Vic Turner 3701 S. Peoria St Tulsa, OK 74105 (918) 743-2222 Have MII	Reel Video Productions Mark Johnson 300 Roosevelt Ave Hollidaysburg, PA 16648 (814)695-8054 Have MII	

RPC Video
Paul Hauser
384 Route 909
Verona, PA 15147
(412) 828-1414
Dealer

SMI Productions
Stan Mack
5100 Tilghman St.
Suite 20
Allentown, PA 18104
(215) 398-8200
No MII

Video Spectrum
Wayne Stephany
630 Hedgewick Dr
Lancaster, PA 17603
(717) 394-4042
Have MII

WHYY
John Collins
150 N. 6th. Street
Philadelphia, PA 19106
(215) 351-1274
Have MII

WJAC
Rob Abele
1949 Hickory Ln
Johnstown, PA 15905
(814) 255-7600
Have MII

WPGH-TV
John Getz
750 Ivory Ave
Pittsburgh, PA 15214
(412) 931-8141
Have MII

WPTT-TV
Chief Engineer
PO Box 2809
Pittsburgh, PA 15230
(412) 856-9010
Have MII

WSEE-TV
Dan Nungesser
1220 Peach St
Erie, PA 16501
Have MII

Rhode Island

Heritage Cable
Joe Stafford
PO Box 518
Lincoln, RI 02865
(401) 765-6652
Have MII

Logeographics
Maria Houde
PO Box 23535
Providence, RI 02903
No MII

Narragansett TV
William Hague
25 Catamore Blvd
E Providence, RI 02920
(401) 438-3317
Have MII

WPRI
Jim Costa
25 Catamore Blvd
E Providence, RI 02914
(401) 438-7200
Have MII

Have you checked your listing for accuracy?

WPRI
Mark Gordon
25 Catamore Blvd
E Providence, RI 02914
(401) 438-7200
Have MII

South Carolina

Action Video Productions
Tommy Cabaniss
9 E. Parkins Mill Rd
Greenville, SC 29607
(803) 297-8865
Have MII

Cable Ad Connection
Dave Rodney
PO Box 746
Johns Island, SC 29457
No MII

Greenville Technical College
Michael Conet
PO Box 5616
Greenville, SC 29606-5616
(803) 250-8363
Have MII

Ron Shecut
3404 Keenan Dr
Columbia, SC 29201
(803) 765-2299
No MII

Sound & Images
Fess Shelton
PO Box 26895
Greenville, SC 29616
(803) 288-8400
Have MII

Total Audio Visual Services
Allan Dox
1 Winsor Cove
Columbia, SC 29223
(803) 788-1333
Dealer

Video South Productions
David Haskell
105 Cypress Plaza
PO Box 2249
Myrtle Beach, SC 29578
(803) 236-3030
Have MII

Walton Productions
Stan Walton
158 Cannondale Rd.
Columbia, SC 29212
(803) 731-0871
Have MII

WBTW
Doug Carter
PO Box 100530
Florence, SC 29501
(803) 662-1565
Have MII

W.H. Platts Company
Billy Platts
710 King Street
Charleston, SC 29403
(803) 723-7604
Dealer

South Dakota

KSFY
Doug Loos
300 N. Dakota Ave,
Suite 1000
Sioux Falls, SD 57102
(605) 336-1300
Have MII

KSFY
Wayne Gudel
300 N. Dakota Ave,
Suite 1000
Sioux Falls, SD 57102
(605) 336-1300
Have MII

South Dakota Public Broadcasting
Wayne Nelson
PO Box 5000
Vermillion, SD 57069
(605) 677-5861
Have MII

South Dakota Public Broadcasting
Larry Conlon
PO Box 5000
Vermillion, SD 57069
(605) 677-5861
Have MII

South Dakota Public Broadcasting
Daniel Schiedel
PO Box 5000
Vermillion, SD 57069
(605) 677-5861
Have MII

South Dakota Public TV
Peter Egart
PO Box 22188
Brookings, SD 57007-2399
(605) 688-4191
Have MII

Department of Ag Communications
Stuart Fedt
PO Box 2231, SDSU
Brookings, SD
(605) 688-4507
No MII

Tennessee

Allied Communications Corp.
Mark Conrad
PO Box 101482
Nashville, TN 37224-1482
(615) 5500
Have MII

Linden Communication Group
Michael Stevenson
17 W. Pontotoc Suite 207
Memphis, TN 38103
(901) 523-0506
No MII

Miles & Associates
John Miles
755 Broad St NW
Cleveland, TN 37311
Have MII

Shop At Home Network
Alvin Hodges
Hwy 32
Newport, TN 37871
(615) 623-8000
Have MII

Shop At Home Network
Buddy Winsett
Hwy 32
Newport, TN 37871
(615) 623-8000
Have MII

Tennessee Wildlife Resources Agency
Mark Greenwald
PO Box 40747
Nashville, TN 37204
(615) 781-6502
Have MII

Video Ideas
4762 Highway 58
Suite G
Chattanooga, TN 37416
(615) 894-2677
Have MII

WMC-TV
Mike Schwartz
1960 Union Ave.
Memphis, TN 38104
(901) 726-0555
Have MII

World Class Productions
Frank Weeks
1300 East 9th Ave
Johnson City, TN 37601
(615) 928-5753
Have MII

Texas

Accelerated Christian Education
Don Gray
2600 Ace Lane
Lewisville, TX 75067
(214) 315-1776
Have MII

Christian Video Ministries
J.D. Dunson
HCR 2
Beeville, TX 78102
(512) 358-3416
Have MII

CompuTrac
Roger Young
222 Municiple Dr.
Richardson, TX 75080
(214) 234-4241
Have MII

ECI Video
Shawn Sterling
2809 Ross Ave
Dallas, TX 75201
(800) 880-9400x224
Dealer

ECI Video
Johnny Griffin
2809 Ross Ave
Dallas, TX 75201
(800) 880-9400x218
Dealer

Fuji Photo Film
Bob Sullivan
1628 West Crosby Road
Suite 100
Carrollton, TX 75006
(214) 466-9200
Manuf.

Industrial Audio Video
Mark Faulstich
2617 Bissonnet
Houston, TX 77005
(713) 535-2375
Dealer

ISDL
Priya Dasi
400 Barsana Rd
Austin, TX 78737
(512) 288-7180
Have MII

J Darrell Kirkley Inc.
Darrell Kirkley
11078 Morrison
Dallas, TX 75229
(214) 243-0013
Have MII

KCEN-TV
Gerald Smith
PO Box 6103
Temple, TX 76503
(817) 773-6868
Have MII

KTSM-TV
Andrew Kiska
272 Shadow Mt 59
El Paso, TX 79912
(915) 532-5421
Have MII

KTSM-TV
Gregg Davison
801 N. Oregon St.
El Paso, TX 79902
(915) 532-5421
Have MII

KTSM-TV
Rick Vilardell
801 N. Oregon St.
El Paso, TX 79902
(915) 532-5421
Have MII

KXXV
Jerry Copeland
PO Box 2522
Waco, TX 76702
(817) 754-2525
Have MII

KXXV
Mike Jugert
PO Box 2522
Waco, TX 76702
(817) 754-2525
Have MII

KXXV
Lou Strowger
PO Box 2522
Waco, TX 76702
(817) 754-2525
Have MII

Legal Media Center
Kevin McInturff
4151 SW Freeway Suite 715
Houston, TX 77027
(713) 963-0397
Have MII

Pierre Miron
C 15205 S. Main
Houston, TX 77035
(713) 499-8764
No MII

NEC America
Broadcast Equipment Dept
Jim Suttles
1417 Exchange Dr
Richardson, TX 75081
(214) 907-4744
Manuf.

On Location Video Services
Mel Rainer
PO Box 35657
Houston, TX 77035
(713) 728-1020
Have MII

Project Video
Gary Brewton
PO Box 5850
Beaumont, TX 77726
No MII

Siam Satellite-TV
Mandonsiri Kattija Ari
7306 Logging Tr
Humble, TX 77346
No MII

Stillpoint Productions
Robert Castaldo
706 W. Main St
Arlington, TX 76013
No MII

Texas A & M University
Bob Matey
Video Lab
Kyle Field
College Station, TX
Have MII

Texas Education Agency
Ernesto Mejia
1701 N Congress Ave
Austin, TX 78701-1494
(512) 463-9054
Have MII

The Video Eye
Bob Fitch
10960 Mill Ridge N. Dr
Suite 103
Houston, TX
(713) 890-8364
Have MII

The University of Texas Health Science Center
Sam Dement
Television Production Services
7703 Floyd Cuol Dr
San Antonio, TX 78284
(512) 567-2220
Have MII

West Net Video
Bob Abrahamson
20023 Legend Oak Dr.
Humble, TX 77346
(713) 852-7883
Have MII

Utah

Bosworth Graves
Norm Bosworth
1055 S. 700 W
Salt Lake City, UT 84104
(801) 972-6128
Have MII

Brigham Young University
Roger Gunn
Communication Dept
Provo, UT 84602
Have MII

CXT Corp
Jack Johnson
666 N. Main St
Logan, UT 84321
Supplier

DCE Marketing Kenneth Foster University of Utah 2167 Annex Bldg Salt Lake City, UT 84112 (801) 581-5588 Have MII	Video Reflections David Andrews 6086 Fontainbleu Salt Lake City, UT 84121 (801) 272-3031 Have MII	Commonwealth Film Inc Rodney Asbridge 1500 Brook Rd Richmond, VA 23220 (804) 649-8611 Have MII	Philip Morris USA Paul Ver Wey P.O. Box 26603 Richmond, VA 23261 (804) 274-3721 Have MII	Union Theological Seminary John Coffman Media Services Dept. 3401 Brook Rd Richmond, VA 23227 (804) 278-4323 Have MII	Mountain View TV Anthony Evans 1500 SE Blairmont Dr Vancouver, WA 98684 (206) 253-2588 Have MII
DCE Marketing Tori Smith University of Utah 2167 Annex Bldg Salt Lake City, UT 84112 (801) 581-5588 Have MII	Word Perfect Corp. Steve McCurdy 1555 N. Technology Way Orem, UT 84057 (801) 228-4916 Have MII	Corporate Communications Inc. Harold Wiggins 1630 W. Main St. Richmond, VA 23220 (804) 359-9423 Have MII	Public Broadcasting Service Mark Richer 1320 Braddock Place Alexandria, VA 22314 (703) 739-5471 Have MII	Video Services, Inc. Jim Howell 9305 Broad Meadows Rd Glen Allen, VA 23060 (804) 346-0835 Repair	National Videotape Co. Mari Scimeca 63 Clay Seattle, WA 98121 (206) 441-1182 Supplier
KBYU-TV Lynn Edwards C-302 HFAC BYU Provo, UT 84602 (801) 378-3551 Have MII	Word Perfect Corp. Scott Myler 1555 N. Technology Way Orem, UT 84057 (801) 228-4900 Have MII	Empire Video Robert Rositzke 3412 Ramsgate Ter. Alexandria, VA 22309 (703) 360-6623 No MII	Public Broadcasting Service Larry Jefferson 1320 Braddock Place Alexandria, VA 22314 (703) 739-5204 Have MII	Virginia Baptist Board Glenn Starling P.O. Box 8568 Richmond, VA 23226 (804) 672-2100 Have MII	Professional Services Media Rich Kraemer PO Box 4005 Tumwater, WA 98501 (206) 786-1686 Have MII
KBYU-TV Bob Gillman C-302 HFAC BYU Provo, UT 84602 (801) 378-3551 Have MII	Vermont Iris Multimedia Robert Logsdan PO Box 726 Burlington, VT 05402 (802) 865-9560 No MII	Evening Productions Victoria Eves PO Box 2065 Falls Church, VA 22042 No MII	Public Broadcasting Service Keith Ellsworth 1320 Braddock Place Alexandria, VA 22314 (703) 739-5302 Have MII	Vision Enterprises Michael Sustar P.O. Box 2698 Christiansburg, VA 24068 (703) 382-0451 Have MII	Puget Sound Power & Light Company Charles Nishida PO Box 97034 OBC-09W Bellevue, WA 98009- 9734 (206) 454-6363 x3231 Have MII
LDS AV Peter Unwin A/V Dept. 50 East North Temple Salt Lake City, UT 84150 Have MII	Virginia 2PM Multimedia Jim Wine P.O. Box 2 Linden, VA 22642 (703) 636-4142 Have MII	The Family Channel Russ Murphy 1000 Centerville Turnpike Virginia Beach, VA 23463 (804) 523-7874 Have MII	Reed Film & Video Lloyd Reed 4501 Sonata Court Fairfax, VA 22031 (703) 978-5988 Have MII	WRLH-TV Eldon Brown 1925 Westmoreland St Richmond, VA 23230 Have MII	University of Washington Jack Armstrong Instructional Media Svcs Main St. DG-10 Seattle, WA 98195 Have MII
International Media Robert Hatch Boston Building, Suite 220 Salt Lake City, UT 84111 (801) 532-7770 Have MII	AMPROD Inc. Ken Santucci 4531 Stone Pine Court Chantilly, VA 22021 (703) 818-1353 Have MII	Garces Communications Rolado Garces PO Box 3262 Reston, VA 22090 No MII	Russell & Associates Sam Russell P.O. Box 877 Marion, VA 24354 (703) 783-2251 No MII	Zion Systems Richard Hiatt 1361 Lincolnshire Dr. Harrisonburg, VA 22801 (703) 433-7700 No MII	Videoland Productions Mitch McGeary 805-C College St. SE Lacey, WA 98503 (206) 491-1332 Have MII
Scott Nelson Productions Scott Nelson 5006 S. Fairbrook Holladay, UT 84117 (801) 272-5428 No MII	Walter Arandia 4311 S. 9th St Arlington, VA 22204 (703) 521-9475 Have MII	Gardy-McGrath (Intl) Inc. Dave Gardy 8580 Cinderbed Rd., Suite 1000 Newington, VA 22122 (703) 339-8500 Have MII	Sallie Mae Charlie Hite 200 Fairbrook Dr Herndon, VA 22070 (703) 834-5737 Have MII	Washington Blue Mountain Broadcasting Lynelle Childs PO Box 205 College Place, WA 99324 (509) 529-9149 No MII	Washington Natural Gas John Cox 815 Mercer Street Seattle, WA 98111 (206) 622-6767 Have MII
The Studio Russ Relyea 342 W. 200 S. Salt Lake City, UT 84101 (801) 595-8800 Have MII	AVEC Electronics Corp. John Heinke 711 Granby St Norfolk, VA 23510 (804) 627-3502 Dealer	George Mason University Susan Kehoe Univ. Drive TV Studio Fairfax, VA 22030 (703) 323-3586 Have MII	Signet Bank Mike Blacker Video Department 11013 W. Broad St. Rd. Glen Allen, VA 23060 (804) 0747-2064 Have MII	KEPR Don Eckis PO Box 2648 Pasco, WA 99302 (509) 547-0547 No MII	Washington Natural Gas Chis Nardine 815 Mercer Street Seattle, WA 98111 Have MII
The Valley Channel Earl Rouse 426 N 400 E Logan, UT 84321 (801) 752-7537 No MII	AVS Jeff Kreger 3330 Bourbon St. Fredricksburg, VA 22408 (703) 371-8324 Have MII	C. Mark Guenther 7529 McWhorter Pl.#303 Annandale, VA 22003 (703) 941-6943 No MII	Systems Research Service TM Atkins 8664 Martin Creek Rd Roanoke, VA 24018 Supplier	KHQ Don Carmicheal P.O. Box 8088 Spokane, WA 99203 (509) 448-4655 Have MII	West Virginia Consolidated Media Systems Larry Cox PO Box 649 Scott Depot, WV 25560 (304) 744-4804 Supplier
Utah Valley Community College Tom Nelson 800 West 1200 South Orem, Utah 84058 Have MII	Henry Boisvert 4225 N. Henderson Rd Arlington, VA 22203 No MII	Norfolk Naval Shipyard A/V Department Bill Whitford Bldg 33 Code 120 Portsmouth, VA 23709 (804) 396-3408 Have MII	Thomas Communications William Aylward 2550 Huntington Ave Suite 205 Alexandria, VA No MII	KHQ Jeff Hite P.O. Box 8088 Spokane, WA 99203 (509) 448-4655 Have MII	E.I. Dupont Jack Green 901 W. Dupont Ave. Belle, WVA 25015 (304) 357-1835 Have MII
Video Lines Dennis Lisonbee 267 S. Mountainland Orem, UT 84058 (801) 226-0344 Have MII	Bon Aventure Video Communications David Jennings One Radio Lane Culpeper, VA 22701 (703) 373-5767 No MII	Park Avenue Teleproductions David Townsell 3500 Maryland Ct Richmond, VA 23233 Have MII	Tuckahoe Orthopaedics Assoc. Orthopaedic Research of Virginia Mike Lockerham 8919 Three Chopt Rd Richmond, VA 23229 (804) 285-7336 Have MII	Kramer Video Tom Kramer PO Box 22446 Seattle, WA 98122 (206) 322-6555 Have MII	Seneca Communications Inc. Chuck Sizemore 1321 Dunbar Ave Dunbar, WV 25064 (304) 766-8740 Dealer
	Zack Burkett Productions Zack Burkett 14162 Marquis Rd Unionville, VA 22567 (703) 854-6502 No MII	Philip Morris USA Carmen Inge P.O. Box 26603 Richmond, VA 23261 (804) 274-3721 Have MII			

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Spectra Media Gary Simmons 2410 Woodland Dr South Charleston, WV 25303 (304)744-7725 Have MII	Eaton Corporation Jerry Martin 4201 N. 27th St Milwaukee, WI 53216 (414) 449-6216 Have MII	WYOU Frank Maiale 1619 Monroe St Madison, WI 53711-2021 (608) 258-9644 Have MII	Asian Television Network Shan Chandrasekar 130 Pony Dr. Newmarket, Ontario L3Y 7B6	Ryerson Poly Technical Brad Fortiner 350 Victoria Street Toronto, Ontario M5B 2K3	CKSH-TV Marcel Aganier 340 Boul. Industriel Sherbrooke, Quebec J1L 1Z9
West Virginia University Dept. Radio & TV Rt 10 Box 304B Ramada Rd Morgantown, WV 26506 Have MII	Excel Communications Jim Dorman 3487 N 124th St Brookfield, WI 53005 (414)786-0686 Have MII	Wyoming Pronghorn Productions Dudley Irvine PO Box 703 Lander, WY 82520 (307)332-9714 Have MII	CFMT - CH. 47 Pip Bola 545 Lakeshore Blvd. West Toronto, Ontario M5V 1A3	Scarborough Board Alex Maropakis 52 McGriskin Road Scarborough, Ontario M1S 4G5	CKTM-TV Trois Rivières 4141 St. Jean Blvd Trois Rivières, Quebec G9A 5G3
WOAY-TV Jim Martin RTE 16 South Oak Hill, WV 25901 (304) 469-3361 Have MII	Firststar Corporation Frank Datzler 777 East Wisconsin Ave. Milwaukee, WI 53202 (414) 765-6228 Have MII	Canada Alberta	CFMT - CH. 47 Brian Herling 545 Lakeshore Blvd. West Toronto, Ontario M5V 1A3	Sheridan College Todd Hallam Tech Services 1430 Trafalgar Road Oakville, Ontario L6H 2L1	Premier Choix TVEC Inc. Chantal Gagnon 2100 Ste - Catherine Quest #800 Montreal, Quebec H3H 2T3
WVAH-TV Raymond Beckner 11 Broadcast Plaza Hurricane, WV 25526 (304) 757-0011 Have MII	Fraser Orton Productions Dennis Fraser 2150 Memorial Dr., Suite 212 Green Bay, WI 54303 (414) 494-6150 Have MII	EM/Media Jim Goertz #200 - 116 - 8th Ave. S.W. Calgary, Alberta T2P 1B3	CFMT - CH. 47 Bill Hoenselaar 545 Lakeshore Blvd. West Toronto, Ontario M5V 1A3	Sheridan College Ken Walker 1430 Trafalgar Road Oakville, Ontario L6H 2L1	Projet IMAGE Jose Forest 4565, Chemin de la Reine Marie Montreal, Quebec H3W 1W5
WYVN Bill McDonnell 1 Discovery Pl Martinsburg, WV 25401 (304) 267-6060 Have MII	Moraine Park Technical College Bob Haase P.O. Box 1940 Fond Du Lac, WI 54936-1940 (414) 929-2112 Have MII	Glenrose Rehab. Hospital Randy Robertson 10230-111 Ave. Edmonton, Alberta T5G 0B7	CKCO-TV Joe Brenner 864 King Street West Kitchener, Ontario N2G 4E9	Soft Science Associates Ltd. Eric Harris R.R. #1 Gore's Landing, Ontario KOK 2E0	SportAction Video 2323 Boul. Versant Nord Suite 204 St. Foy, Quebec G1N 4P4
WYVN Dan Taylor 1 Discovery Pl Martinsburg, WV 25401 (304) 267-6180 Have MII	Optics & Images David Anderson 1805 E. Allouez Ave Suite 1 Greenbay, WI 54311 (414) 465-9040 Have MII	Lethbridge Cablenet Mark Doram 1232 - 3 Ave. South Lethbridge, Alberta T1J 0J9	Edcom Multi Media Jeff Howard Production Dept. 1773 Mattawa Ave. Mississauga, Ontario L4X 1K5	Special Event Video Productions Jim Huber 1911 Baseline Rd #100 Ottawa, Ontario K2C OC7	Universite du Quebec a Montreal - Denis Vaillancourt C.P. 8888, Succ. "A" Montreal, Quebec H3C 3P8
Wisconsin		Montage Communications Michael Prysunka Lower Floor 611-10th Ave. S.W. Calgary, Alberta T2R 0B2	General A/V Neil Watt 6889 Rexwood Road Unit #9 Mississauga, Ontario L4V 1R2	St. Clair College Roger Faubert 2000 Talbot Road West Windsor, Ontario N9A 6S4	Saskatchewan
Avonix Ken Muehlbauer P.O. Box 505 3495 N. 124th St Brookfield, WI 53008- 0506 (414) 783-6050 Dealer	Reimers Photo Material Co. Dan Fritz 300 E. Bay Milwaukee, WI 53207 Have MII	Shaw Cablesystems Gene Sydor 7633-50 Street Edmonton, Alberta T6B 2W9	Humphries Productions Stan Humphries 50 Steeles Ave. W. Unit #23 Milton, Ontario L9T 4W9	University of Toronto Ron Beardon Media Centre 121 St. George Street Toronto, Ontario M5S 1A1	Size Small Productions John Lumby 34 Degeer Crescent Saskatoon, Saskatchewan S7H 4P7
Avonix Bob Buss P.O. Box 505 3495 N. 124th St Brookfield, WI 53008- 0506 (414) 783-6050 Dealer	Universal Production Int'l Bob Kames, Jr. 4415 W. Forrest Home Ave Milwaukee, WI 53219 (414) 321-0874 Have MII	Nova Scotia	Image Projection John Chyurlia 15 Capella Court Unit 109 Nepean, Ontario K2E 7X1	University of Windsor Tom Fuerth Communications Dept. Windsor, Ontario N9B 3P4	STV - Regina Brian Sather 370 Hoffer Drive Regina, Saskatchewan S4N 7A4
Centerroom Bob Harmon 5737 W. Hemlock Street Milwaukee, WI 53223 (414) 353-2001 Have MII	University of Wisconsin Bager Football 1440 Monroe St. Madison, WI 53711 Have MII	Central Editing Services Rocky Warren 69 Walker Street Truro, Nova Scotia B2N 4A8	MBST Lifetime Prod. 5 DeWitte Court Markham, Ontario L3P 3Y4	Video Events John Phillips 6 Winthrow Ave Toronto, Ontario M4K 1C9	STV - Saskatoon Len Virog 218 Robin Crescent Saskatoon, Saskatchewan S7L 7C3
Dealer Camera Corner Inc. Earl Neville 529 N. Monroe St. Green Bay, WI 54301 Have MII	Vaughn Duplication Services Tom Brunhart 700 West Michigan Ave, Ste 150 Milwaukee, WI 53233 (414)276-6511 Have MII	Ontario AEC Computers Jann Teng R.R. #7 Providence Line Peterborough, Ontario K9J 6X8	Media Machine Don Atchison 22 O'Meara Street Ottawa, Ontario K1Y 4N6	Vid Vid Video Blake Robson 17 Easton Road Brantford, Ontario N3P 1J4	Video One Systems Jim Sax 2318 Avenue C North Saskatoon, Saskatchewan Canada S7L 5X5
David Larson Productions David Larson 5910 N. Lilly Road Menomonee Falls, WI 53051 (414) 252-4122 Have MII	VIDTEK James Lillis 9235 W. Capital Dr Milwaukee, WI 53222 (414) 466-7488 Have MII	Agincourt Productions Perren Baker 20 Kinnear Court Richmond, Ontario L4B 1K8	Meta Media Productions Andrew Ruhl 90 Yarmouth Street Guelph, Ontario N1H 4G3	York University Dave Walton Stedman Bldg. 4700 Keele Street Toronto, Ontario M3J 1P3	Quebec
		Asian Television Network Prikash Nadu 130 Pony Dr. Newmarket, Ontario L3Y 7B6	Ontario College of Art George Dougherty 100 McCaul Street Toronto, Ontario M5T 1W1	Concept Videoscope Claude Pdpin 100 bld Antonio Barrette Joliette, Quebec J6E 1E5	If your listing is incorrect, please contact us with changes etc. We will update your listing ASAP! Phone: (800) 966-1030, (703) 339-8500, fax (703)339-0764.

Monthly Survey Questions

Please respond, it helps all of us! Thank you!

Each month the users association will poll users on specific MII issues and concerns, publishing the results in the next newsletter. This months survey questions concern Edit Controllers. Some of you may remember this survey, the questions were asked in the July 1991 issue. Since the membership has grown, and many users have asked us to run it again, here it is. Next month we will compare the responses from now and July 1991

N/A ☐ We Do not do editing.

1. What Edit Controller(s) are you currently using with your MII Editing configuration(s)?

Make and Model of
Controller(s) _____

MIJ Machine (Brand & Model #) _____

If interformat, format(s) and machine models _____

2. How would you rate the edit controllers performance in your configuration?

Excellent ☐ Very Good ☐ Good ☐ Fair ☐ Poor ☐ N/A ☐

Comments _____

3. Are you having any problems with your controller? If so, please describe briefly.

Problems? No ☐ Yes ☐

4. How has service and support been from the edit controller company?

Excellent ☐ Very Good ☐ Good ☐ Fair ☐ Poor ☐ N/A ☐

Comments _____

5. Do you have/use the NewTek Video Toaster ☐ Yes ☐ No If yes, how many Toasters do you have ? _____

Comments _____

We would sincerely appreciate it if you respond to these questions, either by mail, phone or fax as soon as possible. Thank you for your input. 24 hour fax line (703) 339-0764 Phone (800) 966-1030 or (703) 339-8500 or Mail to:

MIJ Users Association of America
c/o GMG International, Inc.
8580 Cinderbed Rd., Suite 1000
Newington, VA 22122
ATTN: Debbie

Optional:

Name _____

Company _____

Phone _____

Requested by _____	Point of Contact _____
Company _____	Phone Number _____
Name of Production _____	Date of Production _____
Client _____	Production Company _____
Producer _____	Director _____
Talent _____	Subject of Production _____
Other Crew _____	Format(s) Used _____

[illegible]

For Association Use Only	
Date Received	
Action Taken (where sent and when)	